



# BITS & PCs

## COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

May 2002 Wright State University Dayton, Ohio 45435 Vol. 18 No. 8

### Important Dates

- May 17  
Last day for freshmen to drop a class with a grade of "W"
- May 27  
NO CLASSES,  
Memorial Day Holiday
- June 1  
Last day of S02 classes
- June 3-8  
Final Exams Weeks
- June 7  
~ 4:30 PM - CECS Awards and Recognition Ceremony  
~ 7:00 PM - Order of the Engineer Ring Ceremony
- June 8  
Spring Quarter Commencement
- June 10  
Summer Quarter "A" and "C" classes begin
- June 19  
Last day to drop an "A" Term class without a grade
- June 25  
Last day for all but freshman to drop an "A" Term class with a grade of "W"
- July 4  
NO CLASSES,  
Independence Day Holiday

### Wright Engineering Council Receives Awards



The WEC delegates with their awards (l-r): Tom Patterson, Cayti Zelnio, Linda Moore, Craig Baudendistel, Julie Jackson, Mike Myers, and Bob Cunningham

In addition to having a great time, the Wright Engineering Council was presented the awards of Most Improved Council, Best Council Picture (from the Nerd Fashion Show held during National Engineers Week this year) and Best Council Presentation.

At Purdue, Linda Moore, Cayti Zelnio, and Julie Jackson also presented some team building activities that the Wright Engineering Council members participate in during their annual retreat held at the end of fall quarter. Tracy Dieker, who was unable to attend the conference, also helped to put the presentation together.

The WEC delegates pause for a picture during one of their meals at the NAESC Conference.



## *Congratulations WEC!!*

Visit us on the Web at <http://www.engineering.wright.edu>



# Winter 2002 Dean's List



## BIOMEDICAL ENGINEERING

Amy Bierce	High Honors
Joseph Blake	Highest Honors
Sarah Brugger	Highest Honors
Julia Cecil	Highest Honors
Sharon Dillhoff	Highest Honors
Douglas Fisher	High Honors
Adam Fournier	High Honors
Christy Harm	Highest Honors
Erica Johnson	Highest Honors
Michael Kahelin	Highest Honors
Maria Kahle	Highest Honors
Rachel Kinsler	Honors
Harvey Lewis	Highest Honors
Hilary Nelson	High Honors
Travis Pelo	Highest Honors
Anthony Polito, III	Honors
Adam Renner	Highest Honors
Matthew Roberts	High Honors
Daniel Roode	Honors
Michael Rueschman	Honors
Anthony Sabatini	Honors
Ed Sims	High Honors
Erin Tewksbury	Highest Honors
David Walker	Honors
Jenna Warman	Highest Honors
Kristina Weaver	Highest Honors
Catherine Zelnio	Honors

## COMPUTER ENGINEERING

Paul Anderson	Highest Honors
Chad Apple	High Honors
William Archer	Highest Honors
Peter Buxa	Highest Honors
Adam Ewing	Honors
Matthew Gerald	High Honors
Jason Gilder	Highest Honors
Eric Hamilton	High Honors
Allen Hena	Honors
Tamanna Husain	High Honors
Justin Moore	High Honors
Michael Peterson	Highest Honors
Brian Potchik	Highest Honors
Roy Price	Honors
Gregory Stall	High Honors
Kip Streithorst	Highest Honors
Jason Wright	Highest Honors

## COMPUTER SCIENCE

Jeremy Barfell	Honors
Curtis Beard	High Honors
Brian Benning	Honors
Kevin Bonifas	High Honors
Eric Brenner	Honors
Terry Dolwick Jr.	Highest Honors
William Etienne	Highest Honors
Lindsay Ferguson	Honors
Alan Frazier	High Honors
Rodney Hefpner	High Honors
Peter Holm	Honors
David Johnson	Highest Honors
Joshua Kennel	Highest Honors
Jonathan Kiner	High Honors
Brannon Laybourn	Honors
David Light	Highest Honors
Mitchell Oliver	Highest Honors

Christina Price	High Honors
Joshua Rice	Honors
Hui Rong Wu	Honors
Rania Sahawneh	Honors
Melaka Senadeera	Highest Honors
Charles Wilt	High Honors

## ELECTRICAL ENGINEERING

Navid Baraty	Highest Honors
Michael Bistline	Honors
Jerry Burns	Honors
Casey Canan	Highest Honors
Matthew Casto	Highest Honors
Dale Cull	Highest Honors
Adam Dickson	High Honors
Ben Douglas	Highest Honors
Matthew Floyd	Highest Honors
Robert Gillen	Highest Honors
Benjamin Henney	High Honors
Boris Holowko	Honors
Julie Jackson	Highest Honors
Ya Li	High Honors
Jason McCullough	High Honors
Paul McDowell	High Honors
Lee Patton	Honors
Carrie Stallard	High Honors
James Thompson	Highest Honors

## ENGINEERING PHYSICS

Douglas Glass	Honors
---------------	--------

## HUMAN FACTORS ENGINEERING

Janet Bensman	High Honors
Sara Johnson	Honors
Jennifer Stowe	High Honors
Kelly Treat	Honors

## INDUSTRIAL & SYSTEMS ENGINEERING

Danielle Calabrese	Highest Honors
Amanda Campbell	High Honors
Elizabeth Chadwell	High Honors
Emily Kempfer	High Honors
Candace Lanning	Honors
Robin Miller	Honors
Joseph Nagy	High Honors
Daniel Stefan	Honors

## MATERIAL SCIENCE & ENGINEERING

Gary Barr	High Honors
Lisa Douglas	Highest Honors
Sean Gleeson	Honors
Joshua James	High Honors
Joseph Kell	Highest Honors
Jacob Lawson	Highest Honors
Robert Reuter	Honors
Erik Ripberger	Honors
John Welter	Highest Honors
Travis Wyen	Honors

## MECHANICAL ENGINEERING

Kevin Brown	Highest Honors
Joshua Burger	High Honors

Jeremy Buxton	Honors
Jeremy Daily	Highest Honors
Steven Dooley	Highest Honors
Andrew Fleming	Highest Honors
David Gerschutz	Highest Honors
Rachel Gligorich	Highest Honors
Amy Goldschmidt	High Honors
Brendhan Goss	High Honors
Jeff Haferd	Honors
Clyde Ham	Honors
Michael Harff	High Honors
John Iddings	High Honors
Brian Koesters	High Honors
Bunnyray Larmond	Honors
Joel Lauer	Highest Honors
Travis Michalak	Highest Honors
Edward Morris	Highest Honors
Zachary Osborn	Honors
Gregory Palm	High Honors
Brad Pollock	Honors
Aaron Powell	High Honors
Stephanie Puterbaugh	Highest Honors
Shawn Riley	High Honors
Jason Robinson	Honors
Jason Ruge	High Honors
Timothy Sarka	Honors
Oleg Shirayayev	Highest Honors
Kristen Shiverdecker	Honors
Joshua Szarek	Honors
Lawrence Thomas	Highest Honors
Shawn Uhlenhake	High Honors
Gregory Udpik	High Honors
Justin Van Horn	Honors
Wesley Ward	Highest Honors

## PRE-COMPUTER ENGINEERING

Luke McKellar	High Honors
Russel Block	Highest Honors
Toni Larson	High Honors
Michelle Smith	Highest Honors

## PRE-COMPUTER SCIENCE

Robert Beaver	High Honors
John Berberich	Honors
Thomas Boehnlein	Honors
Kristopher Collins	Highest Honors
Joseph Kirby	Highest Honors
Brian Mullins	Honors
Thomas Patterson	Honors
Adam Shultz	Honors
Hetal Thakkar	Highest Honors
John Tobe	High Honors
Christopher Ward	High Honors

## PRE-ELECTRICAL ENGINEERING

Eric Elchert	Honors
Christopher McDermott	Highest Honors
Ryan McGinnis	Highest Honors
Ghesu Ndefru	Highest Honors
Jacob Plasters	Honors
Daniel Wells	High Honors

## PRE-ENGINEERING PHYSICS

Dean Brown	Highest Honors
Weston Earick	Honors

## Faculty Facts

**Bourbakis, Nikolaos (ITRI)**  
*Priorities in Graduate Education*  
 Ohio Board of Regents  
 7/1/01 - 6/30/02.....\$76,424

**Emmert, John (EE)**  
*MonoBIT Receiver Design and Implementation*  
 Ball Aerospace  
 3/25/02 - 9/1/02.....\$14,999

**Garber, Fred (EE)**  
*Developing Effective Strategies and Performance Metrics for Automatic Target Recognition*  
 University of South Alabama  
 10/1/01 - 12/21/02.....\$23,683

**Garcia, Oscar (CSE)**  
*Priorities in Graduate Education (Computer Science)*  
 Ohio Board of Regents  
 7/1/01 - 6/30/02.....\$109,606

**Jean, Jack (CSE)**  
*Handheld One-Way Voice Communication System*  
 Systran Federal Corporation  
 5/1/01 - 4/30/03.....\$96,944

**Srinivasan, Raghavan (ME)**  
*Continuous Severe Plastic Deformation Processing of Aluminum Alloys*  
 U.S. Department of Energy  
 2/21/01 - 2/20/03.....\$153,548

**Thomas, Scott (ME)**  
*Aircraft Mechanical/Thermal Technology Research*  
 Department of Defense, Air Force, Air Force Research Laboratory  
 8/21/98 - 12/20/03.....\$75,000



## Winter 2002 Dean's List (cont.)



Daniel Lemaster      Highest Honors

**PRE-MECHANICAL ENGINEERING**

Todd Benazer      Highest Honors  
 Mark Brooks      High Honors

**UNIVERSITY COLLEGE**

Mohammad Ali      High Honors  
 Bradley A. Billheimer      Highest Honors  
 Kevin M. Bohman      Honors  
 Justin C. Bohrer      Highest Honors  
 Eric M. Bond      Honors

Andrew P. Brackman      Highest Honors  
 Joshua R. Bradbury      Highest Honors  
 Clifton J. Bullmaster      Highest Honors  
 Douglas J. Charavay      High Honors  
 Lisa M. Denson      Highest Honors  
 Dustin M. Deweese      Highest Honors  
 Kenneth L. Eber      Highest Honors  
 Ilya Figotin      Highest Honors  
 Ben J. Gerlach      Honors  
 Trunali Grissom      High Honors  
 Samuel T. Haschke      High Honors  
 Joan A. Henley      High Honors  
 Michael T. James      Honors  
 Brian A. Kovacs      Highest Honors

Jason R. Kremer      High Honors  
 Carmelo J. Lamancusa      Highest Honors  
 Jeffrey S. Laubenthal      High Honors  
 Brian W. McRaven      Highest Honors  
 Herbert M. Mullens      Honors  
 Faridal Mutalib      High Honors  
 Noah F. Niekamp      High Honors  
 Anthony B. Polito, III      Honors  
 Dasha Semenova      Highest Honors  
 Parag Sharma      Highest Honors  
 John C. Spencer      Highest Honors  
 Dan A. Taphorn      High Honors

## Student Facts

**Leger, Tim (BSME '98, MSME '00, Ph.D. in progress), David Johnston, Ph.D., and Mitch Wolff, Ph.D. (ME)**

"High Spatial Resolution MEMS Surface Pressure Sensor Array for Transonic Compressor IGV Measurement"

Won Best Paper Award for Sensors, Instrumentation, Avionics and Electronics at the 2002 Dayton-Cincinnati AIAA Aerospace Science Symposium

**Shiryayev, Oleg and Ryan Wagner (Mechanical Engineering Seniors)**

"Plug and Play Instrumentation for Turbine Blades"

**1<sup>st</sup> Place Paper and Presentation at the 2002 AIAA Region 3 Student Conference**

Won \$500 and a trip to the AIAA Aerospace Sciences Meeting in Reno, NV in January 2003 to compete against 6 other regional winners for the National Undergraduate Paper Award with a prize of \$1,000

**The WSU Industrial Engineering Team, comprised of Joel Ogden and Joseph Nagy, under the guidance of Dr. Ling Rothrock** has been selected as one of the five finalists in the IIE/Rockwell Software Student Simulation Competition.

They were selected from among 37 other schools.

This is a flagship competition for industrial engineering students organized in part by the Institute of Industrial Engineers.

## Order of the Engineer Ring Ceremony



The Order of the Engineer (OOE) was established to promote professionalism among engineers and graduates of accredited engineering programs. The College of Engineering and Computer Science holds two induction ceremonies each year, one at the end of fall quarter and one at the end of spring quarter.

The next induction ceremony will be held on Friday, June 7, 2002 at 7:00 PM in the Student Union Multipurpose Room. Engineering seniors, graduate students, alumni, and faculty are encouraged to register and participate.

The \$10 registration fee covers membership and the steel ring. Registration and fees must be received by the Office of Conference and Events no later than May 24<sup>th</sup>.

For a registration form or more information about OOE or the ring ceremony, visit the "What's New" link on the College homepage at [www.cs.wright.edu](http://www.cs.wright.edu) or contact the Dean's Office at (937) 775-5001.

## *College of Engineering and Computer Science Annual Recognition and Awards Ceremony*

*Friday, June 7, 2002*

*4:30 PM*

*Student Union Multipurpose Room*

*Join us as we honor outstanding students, faculty, staff, and friends.  
Reception immediately following the ceremony.*

Don't forget to RSVP by May 24<sup>th</sup> to (937) 775-5001 or email [jgarring@cs.wright.edu](mailto:jgarring@cs.wright.edu).

## *TERM PAPER RESEARCH CLINICS*

Students working on term papers and research projects can improve their library research skills by participating in these one-on-one, one-hour sessions with a Reference Librarian. The clinics are designed to help students:

- ◆ Learn basic information searching skills
- ◆ Use the Libraries' web site
- ◆ Find quality, pertinent resources on their topic

Clinics will operate until May 17, 2002 and require reservations. Students interested in attending the clinics should contact the Dunbar Library Information Desk or call 775-2925 for additional information or to schedule an appointment by phone.

# Interview with Red Hat Programmer and WSU Graduate

by Todd V. Rovito

There are many important pieces of software that are needed to form a complete operating system. The most valuable and crucial one is, the Linux kernel. Red Hat packages necessary software together and creates Red Hat Linux. It takes considerable effort to make your own distribution, each piece has to be compiled and tested to ensure it all works properly. Red Hat has spent years making Linux easier to install and manage. Their expertise has created the most popular distribution of Linux.

Red Hat was started in 1994 by Bob Young and Marc Ewing when they recognized that Linux represented a economical way for people to acquire Unix for their PC's. Linux and its associated programs are all available on the net for free and are licensed under the General Public License, which states that software can be distributed for a cost but the source code must always be available. In fact you don't have to purchase Red Hat at the store in order to use Red Hat Linux, you can download it from their web site for free ([www.redhat.com](http://www.redhat.com)), burn it onto a CD and install it on your computer with out giving Red Hat a single penny. Red Hat makes money by selling support services and creating value added software for Linux. The business model for selling free or open source software is different than a typical software company such as Microsoft. Red Hat has defined the open source business model and has been successful. In 1999, Red Hat went public and achieved the eighth-biggest gain for a U.S. stock in the first day of trading. In 2001, Red Hat achieved break even per share results, it is the first and only Linux company to break even. Red Hat was able to become profitable one full year ahead of Wall Street Journal's estimate in 2002. Red Hat has been successful because of its brilliant 620 employees. One of those employees is Mr. Todd Warner, a WSU graduate. Todd agreed to an e-mail interview, to give further insight into Linux.

**TVR:** First off I want to thank you and Red Hat for supplying us with Red Hat CD's for our upcoming install fest.

**TW:** Hey sure! I owe a lot to my alma mater and Red Hat takes pleasure in assisting clubs and organizations.

**TVR:** What year did you graduate from WSU?

**TW:** I graduated in December of 2000, much later than expected (anthropology major for 3 years; US Army for 3 years... finally a BS in CS).

**TVR:** What was your major at WSU?

**TW:** I received a BS in CS. I wish to thank

the wonderful faculty in the department for a wonderful education. Trust me folks, WSU has a quality CS&E program.

**TVR:** How did WSU prepare you for your job at Red Hat?

**TW:** Excellent teachers and a curriculum that advocates exploration by the students. It also helps that WSU (like most universities) regulates MS Windows labs to the introductory CS courses for the most part.

I did \*all\* my work on Linux and ported it to whatever platform was required for the class, which for the most part was Unix-based. All my classes at Wright State explored various aspects of computing and really helped me know how to attack problems and to think creatively.

The ACM/IEEE-CS and the small group of buddies with similar interests as me (computing in general) incubates that interest in computing. I greatly enjoyed the programming contest of 2000 (thanks Dr. Rizki). I only wish we were more active at the time.

I also had the privilege of working with Dr. Gutierrez. His research, Voice Driven Facial Animation, was very educational, and... hard!

All that said, nothing completely prepares a newbie, just out of college, for industry; especially in a "cutting-edge" high-tech company like Red Hat, Inc. Think: trial by fire. I highly recommend working more prior to graduation.

**TVR:** What is your job at Red Hat?

**TW:** At Red Hat I am one of the core server-side programmers for Red Hat Network. Red Hat Network is a group of services that Red Hat offers to help manage Red Hat Linux servers, individually or in the thousands. It's a really cool project that I am pretty excited about. In the spirit of free/open-source software, all users of Red Hat Linux are entitled to a free registration with this service.

Red Hat Network, in a nutshell, keeps systems up to date with all the newest bugfixes, errata, and security fixes. No more hunting for that RPM. It also simplifies package dependency checking and installation of new software.

At work I needed some utility foo, which I did not install on my workstation. I typed "up2date foo" at the command line, and the package (along with all packages that it depends upon) are installed on my machine (very similar to apt-get for you Debian folks). We also have a Web UI, where you can browse and schedule packages to update/install. If you have say...1000 systems, 10 of which are web servers, 700 are workstations and 10 which are print-queues, you can use the Web UI from any browser and update those machines in groups. Very nice.


We are just starting to offer RHN Proxy and RHN Satellite, which I have worked on the most, which are enterprise-level service offerings that allow a company to plug into our system and do cool things like roll their own custom packages, and deploy those packages to all their servers. Both offerings are garnering a lot of interest.

**TVR:** What advice do you have for students who are close to graduation and want a job working with open source software?

**TW:** Get involved in a project. I am not a Linux guru, but I have that "mentality" and am a pretty decent programmer. I got lucky. I was in the right place at the right time precisely when Red Hat was looking for people who knew Python, C/C++ and Linux.

Working on open-source/free software and getting paid for it is possible but with the downturn of the economy... harder than before. Of course, more companies are employing people specifically to work on free software. IBM, Sun, HP/Compaq, etc. etc. all have a bunch of people working on free software.

Continued on page 7

<b>BITs &amp; PCs</b> College of Engineering and Computer Science <b>Wright State University</b>		
<b>Dean</b> James E. Brandeberry, Ph.D., P.E.	<b>Editor</b> Jenny Garringer	
<p><i>BITs &amp; PCs</i> is a monthly newsletter published by the College of Engineering and Computer Science to inform students about activities, news, opportunities and changes occurring in the College. It reports on the achievements of faculty and students; changes in organization, policy and curriculum; scholarship and employment opportunities; and engineering and computer science student club activities.</p> <p>The current issue of <i>BITs &amp; PCs</i> is available on the Web at <a href="http://www.cs.wright.edu/bitsandpcs/">http://www.cs.wright.edu/bitsandpcs/</a>. Copies are also available in the College office, any Department office, literature racks in the Russ Center Atrium, Russ Center Study Lounge, or the Student Club Room.</p> <p>The next issue of <i>BITs &amp; PCs</i> will be published the week of June 3, 2002. To submit items for this issue, call the College of Engineering and Computer Science at (937) 775-5001, or send email to <a href="mailto:jgarringer@cs.wright.edu">jgarringer@cs.wright.edu</a> by May 20, 2002. The College of Engineering and Computer Science reserves the right to edit all material for publication.</p>		

# SCHOLARSHIPS AND FELLOWSHIPS

**The American Public Power Association (APPA)** awards scholarships each year of its DEED (Demonstration of Energy-Efficient Developments) Program. APPA will award one Technical Design Project each year intended to promote the involvement of students studying energy related disciplines and geared towards engineering students. Deadline is October 15, 2002. For more information and an application visit DEED's website at <http://www.APPAnet.org>. You may also call Elizabeth Sullivan at (202) 467-2942 or email her at [DEED@APPAnet.org](mailto:DEED@APPAnet.org).

**Culture Works** is now accepting applications for the **Leonard P. Roberts Memorial Scholarship**. Candidates must be enrolled full-time in one of the Miami Valley four-year college programs. Only students entering their junior or senior year of study will be considered. Students must be concentrating their studies in one of the following areas: performing arts; business administration; or engineering.

The University may recommend up to three candidates for a scholarship. *Recommendations must come from the Financial Aid office, with the endorsement of the appropriate academic dean(s) and department chair(s).*

In reviewing the candidates, the Roberts Scholarship Committee will consider the following weighted criteria for a pos-

sible 100-point score:

- GPA in the Student's Major (30 pts.)
- Overall GPA (20 pts.)
- Financial Need (20 pts.)
- Involvement in the Arts (5 pts.)
- Goals & Accomplishments (15 pts.)
- Letters of Recommendation (10 pts.)

All materials (nominations and applications) are due in the Culture Works office by *5:00 pm on Friday, May 15, 2002*. Students interested in applying should contact the Office of Financial Aid at (937) 775-5721.

**The Greater Dayton IT Alliance (GDITA)** is awarding scholarships to interns working in a GDITA member company (A listing of member companies is available online at <http://www.daytonitalliance.org/currentmembers.asp>.) The eligibility requirements for the scholarship are listed below:

- Must have worked in an IT skilled internship or co-op position within a GDITA member company
- Must have been placed in the internship or co-op position anytime from June 2001 to the present
- Must have completed at least one year of college
- Cannot have a graduation date before August of 2002
- Must have a minimum overall GPA of 2.5 and a minimum GPA in Major of 3.0

- Must live or go to school in the Miami Valley region, including northern Butler, Champaign, Clark, northern Clinton, Darke, Greene, Miami, Montgomery, Preble, Shelby, and northern Warren counties.

The deadline for applications is May 15, 2002. Please contact Trisha West via phone at (937) 229-0054 x10 or via email at [twest@daytonitalliance.org](mailto:twest@daytonitalliance.org) for more information on this scholarship.

**The National Society of Professional Engineers (NSPE)** is accepting applications for its \$10,000 Steinman Fellowship. Applicants must be NSPE/OSPE Student Members who:

- are currently seniors in an ABET-accredited undergraduate engineering program
- have passed the Fundamentals of Engineering (FE) exam
- have been accepted into an ABET-accredited graduate engineering program
- are U.S. citizens

Applications will be evaluated based on passing the FE exam, an ethics essay, internship/co-op experience, faculty recommendations, and grade point average. Applications must be submitted by May 17, 2002. NSPE membership applications and the listing of required application materials are available in 405 Russ. ■

## Attention Faculty and Professionals

The Fulbright Scholar Program is offering awards in 140 countries for college and university faculty and administrators as well as professionals from the business community and government, artists, journalists, lawyers, independent scholars and many others.

Traditional Fulbright awards vary from two months to an academic year or longer. A new short-term grants program — The Fulbright Senior Specialists program— offers two- to six-week grants in a variety of disciplines and fields.

Awards descriptions and application materials can be found on the CIES website at: [www.cies.org](http://www.cies.org) or contact by email at [apprequest@cies.iie.org](mailto:apprequest@cies.iie.org). Applications deadlines for the 2003-2004 awards are:

- ◆ **May 1** for Fulbright Distinguished Chair awards in Europe, Canada and Russia
- ◆ **August 1** for Fulbright traditional lecturing and research grants worldwide
- ◆ **November 1** for the summer German Studies Seminar and for spring/summer seminars in Germany, Korea and Japan for academic and international education administrators
- ◆ Fulbright Senior Specialists Program – **rolling deadline**

## Continued from page 5

There are tons and tons of projects out there to cut your teeth on. I worked on my own little demo program that got a bit of recognition. I have contributed to comp.lang.python and comp.lang.c++ for years. Just get involved... hack away. Learn on your own. Finish your degree!!! Network with other free-software geeks.

**TVR:** What is your favorite programming tool and why?

**TW:** Hmm... good question. I generally use vim to code and just test test test. For python code, I use pychecker to check for lots of oversights. Use it. It will make your life easier. We use cvs for our code repository, and either email, IRC or yell for each other. I've tried lots of IDEs and editors. Nothing compares to the simplicity, elegance, yet sheer power of vim (well, vim-enhanced).

Hmm... do I have to pick one? The whiteboard then. Hmm... maybe silly putty.

**TVR:** What is the environment like at Red Hat, according to Bob Young's book *Under the Radar* nobody has an office not even him?

**TW:** We all have cubes. Even the CEO. There are nicer cubes though.:). Of course, all these guys have much nicer cars than me.

The environment is very relaxed. You can wear nearly anything and walk around shoeless if you want --- I'm a flip-flops and t-shirt kind of guy. You'll see people occasionally zooming around on scooters. Or having nerf-gun battles. Many of the developers play massive network Quake and whatnot. I guess we complete that geek-playground stereotype.

What makes this a great environment is the people. Nearly everyone that works here (especially the developers) are the cream of the crop. The raw brain power here is just amazing. I have never worked with such intelligent people. I feel very fortunate to be working here with such high caliber folks. Sometimes egos get in the way, and these \*must\* be the most opinionated people I have met.

The culture of Red Hat also makes it an interesting place. When I was hired by Cristian he said, "relax, we are just a bunch of hackers." That more or less sums it up.

Things I wish could change: more diversity. There just aren't many female "hackers" out there. We also need more people of color, though the dearth of females is a bigger problem I think. This is societal more than industry specific though.

**TVR:** Thanks again for taking the time to answer some of our questions.

**TW:** Thank you. My pleasure.

Since Linux rarely comes pre-installed on computers, and many people are uncomfortable installing an operating system, the ACM-IEEECS has organized an **INSTALL FEST** for any interested computer user that would like to have a copy of Linux properly installed on their computer.

**Friday, May 24, 2002**  
**2:00 pm - 8:00 pm**  
**146 Russ**

Experienced Linux users will be on hand to demonstrate the use of Linux and answer questions. The purpose of this event is to allow attendees to get a better understanding of what Linux is, see demos of the system in action, find out about some useful Linux resources, and get free assistance from technically competent people with issues involved in the installation and setup of Linux. See the ACM-IEEECS web site (<http://www.cs.wright.edu/~csclubs>) for more information.



**Jean K. Tinsley**

1<sup>st</sup> female  
Tilt Rotor pilot

**Friday, May 24, 2002**  
**156 Student Union**

**9:30 AM Breakfast**  
**10:00 AM Presentation**

The presentation will focus on the Tilt Rotor (V-22) which she was the first woman in the world to fly.

**Please RSVP to 775-5001 or email [jgarring@cs.wright.edu](mailto:jgarring@cs.wright.edu) by May 17, 2002**



## **National Society of Black Engineers**

Our mission is to increase the number of culturally responsible black engineers who excel academically, succeed professionally, and positively impact the community.

WSU-NSBE and over 12,000 other participants were able to attend one of the largest conventions of its kind. The theme of the convention was "Integrating Technology and Tradition," offering a 2-day career fair, a graduate school conference, a PCI conference, a health fair and a host of other events designed to enhance our educational and technical experience.

WSU-NSBE would like to thank its sponsors: the College of Engineering and Computer Science, Dean James Brandeberry; the Office of the President, Mrs. Jacqueline McMillan; and the Office of the Provost, Dr. Lillie Howard. With the financial support of these sponsors, 26 members of NSBE were able to attend the National Society of Black Engineers' 28<sup>th</sup> Annual National Convention on March 27-31, 2002 in Orlando, Florida.

## **Congratulations!!**

WSU-NSBE was awarded 1<sup>st</sup> Place in the 2001-2002 Chapter Chant Contest for most group spirit. In addition, Candace Beach was elected as the 2002-2003 Region IV Programs Chair.

For more information, visit:

[www.nsbe.org](http://www.nsbe.org)

or

[www.cs.wright.edu/~nsbe](http://www.cs.wright.edu/~nsbe)

# U.S. Navy Collegiate Programs

## NUCLEAR PROPULSION OFFICER CANDIDATE (NUPOC)

### Eligibility:

- Must be a U.S. citizen
- Must be physically qualified
- 19-29 yrs. old on date of commissioning
- Minimum 3.0 GPA on a 4.0 scale (18 months or less from graduation)
- 1 year of calculus
- 1 year of calculus-based physics

### Benefits:

- \$10,000 signing bonus
- Earn up to \$2,500 per month as an E-6
- Receive medical/dental coverage and life insurance
- Possible advancement through E-7 while in college
- College active duty is constructive time for retirement
- No uniforms, no training while in college
- \$2,000 training completion bonus (after Nuclear Power School)

## CIVIL ENGINEERING CORPS COLLEGIATE PROGRAM (CEC)

### Eligibility:

- Must be a U.S. citizen
- Must be physically qualified
- 19-34 yrs. old on date of commissioning
- Minimum 3.0 GPA on a 4.0 scale (engineering or architecture degree)
- 24 months or less from graduation (in an accredited ABET or NAAB program)

### Benefits:

- Earn up to \$60,000 while working on your college degree
- Receive medical/dental coverage and life insurance
- Possible advancement through E-5 while in college
- College active duty is constructive time for retirement
- No uniforms, no training while in college

For more information on either program visit [www.navy.com](http://www.navy.com) or contact:  
*Breckenridge Morgan, LCDR, USN*  
*(800) 553-1146 Ext. 128*  
*morganb@cnrc.navy.mil*

Office of the Dean

College of Engineering and Computer Science  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435-0001

