# Department of
# Computer Science

## Chair's Corner

Greetings! We have had an increasing number of juniors participating in summer internships, and some like Grant Godel and Al Roberts are making such an impression that they are returning after graduation for full-time employment. If your company offers internship opportunities, please let us know so we can advise our majors to apply. We are also making a recruiting video to tell prospective students about the success of our graduates and the breadth of opportunities a Computer Science career offers. If you are willing to be interviewed, please contact the Chair.

Over the years we have had several students continue their studies by pursuing master's degrees – sometimes right after graduation, sometimes by taking advantage of employer-paid online and evening classes. The department is proud to share that 2013 graduate Ben Horne has been accepted into the Ph.D. Program at Rensselaer Polytechnic Institute.

If you recently added a degree, had a job change, or received a promotion, let us know and we'll share it in the next newsletter.

Blessings,

G. Jan Wilms

## Inside this Issue

*Alexander Roberts, senior computer science major, presents his project for the 11th Annual Union University Scholarship Symposium.*

## UNION UNIVERSITY
### DEPARTMENT *of* COMPUTER SCIENCE

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# Student News

The Competitive Programming Team continues to perform strongly. In November, **Stephen Clement** and **Tom Trabue** were awarded 1st prize at the Murray State University site of the ACM Mid-Central Regional Programming Contest.

**Aaron Parke**, completed an internship at NTP Services, St. Louis, MO.

**Cody Tinsley** and **James Vo** completed internships at Med Solutions, Franklin, TN.

**Tom Trabue** completed an internship at Eighth Day Software, Henderson, TN.

**Stephen Clement** completed an internship with the International Mission Board, Richmond, VA.

**Courtney Valentine** completed an internship at the Nashville Police Department, Nashville, TN. ■

## CSC Colloquiums (2013-14)

"TouchDevelop: A Platform-Neutral Way to Program (on) Tablets", Dr. Jan Wilms

"Using Steganography to Illustrate Bitwise Operators in C," Dr. Jim Kirk ■



## ACM

The ACM Chapter at Union University is an official affiliate of ACM, the world's largest educational and scientific computing society. Union's ACM chapter was established in 1994.

### ACM Meetings 2012-2013
ACM Welcome Party
Summer Internships Presentations
Microsoft vs. Apple Debate
Hack Sessions
Senior Symposium
End of Year Picnic

### ACM Officers 2013-2014
ACM Advisor – Dr. Haifei Li
President – Stephen Clement
Vice President – Tom Trabue
Treasurer – James Vo
Secretary – Skylar Argo ■

## Scholarships and Awards

*Donations to help these funds grow are much appreciated*

The Bill Truex Award in Computer Science – **Nathan Webb**
The Dr. Joe Tucker Scholarship Award – **Tom Trabue**
First Place in Major Field Achievement Test – **Nathan Webb**
First Year Programming Award – **Samuel Wills**
Outstanding Research Award from the Center for Scientific Studies – **Nathan Webb**
Academic Excellence Medal – **Ben Horne** ■


Nathan Webb


Tom Trabue


Samuel Wills


Ben Horne

# Alumni News

## Job Updates for Alumni

**Luke Ferguson** (2013): Application Developer, SATO, Gallatin, TN

**Jordan Haskins** (2013): IT/Webmaster, HCI Supply, Jackson, TN

**Ben Joyce** (2012): Front-end Web Developer, AutoZone, Memphis, TN

**Jordan Hatchell** (2011): Senior Consultant, Booz Allen Hamilton, McLean, VA

**Chase Steinmann** (2011): Network Engineer, Lutheran Senior Services, Brentwood, MO

**Matt Stimmel** (2009): Lead Software Engineer, Belvedere Trading, LLC., Chicago, IL

**Luke Pinion** (2009): Project Manager, BrickWire, Tulsa, OK

**Dustin Martin** (2007): Lead Software Engineer, NextGen Healthcare, Austin, TX

**Andrew Skaggs** (2005): Senior Developer, CF Webtools, Omaha, NE

**Justin Synder** (2004): SQL Database Administrator, iPro Systems, Nashville, TN

**Clint Perry** (2004), Enterprise Service Bus Administrator, Kirkland's, Inc. Jackson, TN

**Brian Glas** (2001): Principal Consultant, Aspect Security, Memphis, TN

**Aaron Hardee** (2000): Senior Systems Developer, Mid-America Apartment Communities, Memphis, TN ■

## Senior Semminar Presentations

"Road Wizard - an Android Application for Traffic Condition Information," Megan Bishop and Courtney Valentine

"Creating a Tool Assisted Speedrun in Retro Videogaming," Grant Godel

"Buyer Fraudulence in Peer-to-Peer eCommerce - Building Tools for Alleviation," Benjamin D. Horne

"Expanding the Missions Field - Using Facebook API as a Ministry Tool,"

Timothy Johnson

"Penelope Paints - Game Development Using the Blender Animation Suite," Alexander Roberts

"The Benefits of Using jQuery and jQueryMobile in Web-Based Applications," Cullen Sanderson

"WagonWheels - A Demonstration of OpenGL ES and iOS," Nathan Webb ■

## Graduates hold positions at

*Ascension Health Information Services, Aspect Security, Aprimo, AutoZone, Belvedere Trading, Benefit Communications, BrickWire, Booz Allen Hamilton, Cerner Corporation, CF Webtools, Education Networks of America, Deitek Inc., Field Nation, Franklin American Mortgage Company, Garmin International Inc., Global Client Solutions, HCI Supply, Housing Authority, Jackson Madison County Schools, Ingram Book Company, Iowa State University, iPro Systems, Logical Systems Inc., Kirkland's, Lutheran Senior Services, Marcone, Mid-America Apartment Communities, Modern Telephone Systems, Nash Finch Company, National Security Agency, Nerdvana, NextGen Healthcare, Professional IT Management, Pictsweet, Pomeroy IT Solutions, PureSafety, SandStorm IT, SATO, Sedgwick CMS, SG Technology, Simpson Strong-Tie, Sodium Halogen, Sprint, Stanley Black & Decker Inc., SwiftLink, Tennessee Independent Colleges and Universities Association, The Aricent Group, Transformations Inc., Xerox, Younger Associates, Webtec* ■



## Graduates LEFT TO RIGHT

**Cullen Sanderson,** Application Support, TriZetto Corporation, Denver, CO; **Al Roberts,** Systems Engineer, Verizon Enterprise Solutions, Boston, MA; **Ben Horne**, Ph.D. Student, Rensselaer Polytechnic Institute, Troy, NY; **Grant Codel** Network System Specialist, Country Music Hall of Fame and Museum, Nashville, TN; **Nathan Webb,** Software Developer and IT Administrator, Logical Systems Inc., Jackson, TN; **TJ Johnson,** Programmer, SATO America, Jackson, TN; **Megan Bishop,** Frontend Designer, Eighth Day Software, Henderson, TN ■

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## Faculty LEFT TO RIGHT

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