Travis W. Peters

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EDUCATION

Ph.D., Computer Science   *September 2013 - June 2018 (expected)*
Dartmouth College, Hanover, NH

B.S., Mathematics & Computer Science   *September 2008 - December 2012*
Western Washington University (WWU), Bellingham, WA

Associate in Arts (Running Start)   *January 2007 - June 2008*
Lower Columbia College (LCC), Longview, WA

RELEVANT WORK EXPERIENCE

Graduate Teaching Assistant, *Dartmouth College, Hanover, NH*   *September 2013 - Present*
- Fall 2013 – Introduction to Programming & Computing (Python)
- Winter 2014 – Problem Solving via Object-Oriented Programming (Java)
- Spring 2014 – Introduction to Programming & Computing (Python)

DevOps Contractor, *Attachmate, Bellingham/Seattle, WA*   *January 2013 - August 2013*
- Designed and built major components of a virtual machine (VM) template management infrastructure using Opscode Chef and VMware's vCloud Director to maintain (patch & update) Windows, Red Hat Linux, and SUSE Linux systems.
- Developed scripts (Ruby, Bash, and Batch) to automate routine tasks (installing software components, configuring machine settings, etc.).
- Maintained specification & design documentation about progress in software development, and relevant processes & systems.

Software Engineer Intern, *Attachmate, Bellingham, WA*   *August 2012 - December 2012*
- Generalized the solution for the Sentinel Extensions for Luminet solution to support logging to various Security Information & Event Management (SIEM) systems.
- Designed a customizable XML configuration file, wrote the related StAX parser, and developed various implementations of generic data structures to support the generic logging solution for Luminet.
- Substantial focus on unit testing & automated testing methods.
- Co-authored and Delivered a presentation/demonstration of project results to the Luminet Product team.

Computer Science Teaching Assistant, *WWU, Bellingham, WA*   *September 2012 - December 2012*
- Proctored two lab sections for Computer Science 140 (Programming Fundamentals in C++)
- Helped students understand fundamental concepts behind the C++ programming language, elementary data structures, basic building and compilation on UNIX systems, and simple sorting/searing algorithms.
- Regularly held office hours & graded laboratory assignments.

iOS Developer & Intern Team Lead, *Emergency Reporting, Bellingham, WA*   *January 2012 - June 2012*
- Developed requirements document and design for Emergency Reporting mobile application.
- Led team of four interns to implement compatible mobile application on iOS and Android platforms.
- Implemented features such as: secure communication across network and encryption/decryption of data (Department of Defense Standards), local and cloud database access and storage, and GPS related functionality for way-finding including integration with Google Maps.

Vice President for Business & Operations, *Associated Students of WWU*   *June 2011 - June 2012*
- Charged with overseeing the internal operations of the Associated Students of Western Washington University (ASWWU) programs, services, and the facilities in which they operate.
- Directly managed six other student managers of departments with 1-20 employees.
- Facilitated organizational budgeting process, internal program assessment process, as well as new employee hiring process.
- Specifically responsible for leadership in development of fiscal year 2012 operating & non-operating budget (approximately $3.1 million total).

Private Math Tutor, *Self-employed*	*September 2008 - December 2012*
Marketing & Technical Associate, *Caso Inc., San Antonio TX*	*June 2010 - January 2011*
Teaching Assistant, *Family House Academy, Kelso, WA*	*Summer 2009*

PUBLICATIONS

Andrs Molina-Markham, Ronald Peterson, Joseph Skinner, Tianlong Yun, Bhargav Golla, Kevin Freeman, Travis Peters, Jacob Sorber, Ryan Halter, David Kotz. **Amulet: A secure architecture for mHealth applications for low-power wearable devices**. In *Proceedings of the Workshop on Mobile Medical Applications Design and Development (WMMADD)*. November, 2014.

Travis Peters and Puneet Jain. **Conferences: MobiSys 2014**. In *IEEE Pervasive Computing*. October-December, 2014.

Chip Jackson, Lucas Bource, and Travis Peters. **Computing Along the Big Long River**. In *The UMAP Journal for Undergraduate Mathematics & Research*. 33.3 (Fall 2012).

TECHNICAL SKILLS

Programming Languages: Java, Python, C, Matlab, Ruby, HTML, SQL

Source Control: Git, Perforce, SVN

Operating Systems: Mac OS X, Linux/UNIX, Windows

Industry Software/Systems: VMware's vCloud Director, Opscode Chef

LEADERSHIP EXPERIENCE

Graduate Student Council Rep., Dartmouth College Computer Science	*September 2013 - Present*
Lead Teacher & RK Coordinator, Redeemer Kids at Redeemer Church	*November 2011 - June 2013*
Chair, AS Management Council & AS Facilities & Services Council	*June 2011 - June 2012*
Vice-Chair, AS Board of Directors & AS Budget Committee	*June 2011 - June 2012*

AWARDS & HONORS

Graduate Student Teaching Award, Dartmouth College	*2013 - 2014*
Dartmouth Fellowship, Dartmouth College	*2013 - 2014*
Oscar Edwin Olson Scholarship, Western Washington University	*2012*
Outstanding Winner, Frank Giordano Award, Mathematical Contest in Modeling	*2012*
Kaiser Borsari Scholarship, Western Washington University	*2011 - 2012*
Giusti Scholarship, Western Washington University	*2011 - 2012*

ACTIVITIES

Member, Academic Honesty Board	*June 2011 - June 2012*
Big Brother, Big Brothers Big Sisters of Whatcom County	*September 2010 - September 2011*
4-year member of Varsity Track & Field, Western Washington University	*2008 - 2012*
4-year member of Junior Varsity Cross Country, Western Washington University	*2008 - 2011*