

Russell Leonard Melick

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EDUCATION

Bachelor of Science, Computer Science
Harvey Mudd College, Claremont, CA, expected May 2011
Humanities Concentration: German

COMPUTER SKILLS

Languages & Software: Java, Python

EXPERIENCE

Senior Software Engineer 2011 - Present
LinkedIn, Mountain View, CA

- Redesigned the LinkedIn Today email
- Migrated significant infrastructure to Hadoop for scalability
- Helped design and implement next generation email development and distribution platform, with a focus on member experience and developer productivity.

Clinic Team Leader / Hive Developer 2010 - 2011
Facebook / Harvey Mudd College, Claremont, CA

- Collaborated with Facebook on Hive, a data warehouse system built on Hadoop
- Enhanced indexing support for Hive queries, including automatic indexing and bitmap indexes
- During the spring semester, led the team of students

Software Engineer Intern Summer 2010
LinkedIn, Mountain View, CA

- Developed feature to share content with email addresses
- Dealt with abuse and spam concerns for feature

Researcher Summer 2009
UCLA Applied Mathematics REU, Los Angeles, CA

- Group was exploring open problems in atmospheric science
- Implemented and evaluated several numerical PDE solvers
- Worked towards expanding past research to three dimensions

ACTIVITIES

Project Manager Nov. 2008–Present
Mudd Software Development Club

- Club created to serve large scale software needs of other campus groups
- Working on creating an online voting system for student elections
- Designed to expose students to real world software methodologies

Team Leader Feb. 2009
MCM Modeling Competition

- Four day team competition creating mathematical models of real world systems
- Developed traffic circle simulator in Matlab and produced paper describing methodology, limitations, and results
- Paper was ranked top four among 1100 international submissions
- Presented results at MathFest 2009 and were published in UMAP Journal

PUBLICATIONS

“One Ring to Rule Them All: The Optimization of Traffic Circles”, with Aaron Abromowitz and Andrea Levy, *The UMAP Journal*, 30.3, 2009, pp. 247 – 260.

LEADERSHIP

ACM Officer, Claremont College ACM Student Chapter	2009–11
Proctor, Dorm President, Dorm Treasurer, Case Dorm, Harvey Mudd College	2008–11
Group Leader and Participant, Project Noah, New Orleans, LA	Summers 2006–08
• Summer church mission trip to LA to help Hurricane Katrina recovery	