Karthik Vemulapalli

Phone: (408) 429-3886   **Email:** k.vemulapalli94@gmail.com   **Website:** http://www.karthikvemulapalli.com/

EDUCATION

University of California, Los Angeles — Current GPA: 3.83
Bachelor of Science, Computer Science — Expected Completion: June 2016
Master of Science, Computer Science — Expected Completion: June 2017

WORK EXPERIENCE

Facebook
Software Engineering Intern, Cold Storage — June 2015-Sept 2015
- Worked with a team in charge of storing massive amounts of Facebook data, mainly in C++ and MySQL
- Implemented functionality for low-retention data to be stored and efficiently removed
- Improved client-side code to support uploading and management of low-retention files

PayPal
Software Engineering Intern, PayPal Tech Data — June 2014-Sept 2014
- Collaborated with a team in charge of data security and management of PayPal information
- Ensured data encryption and secure database manipulation using JAVA with PayPal libraries
- Built tools to facilitate sending queries to databases and checking for successful accesses

Responsys (now acquired by Oracle)
Production Operations Intern — June 2013-Sept 2013
- Developed and debugged monitoring tools in both Python and Bash
- Cooperated with system operations team to make improvements to the production environments
- Updated old and corrupted data on the live product using Python scripts

Bruin Mobile
Senior Developer — Feb 2013-Dec 2014
- Created, edited and resolved problems with websites for UCLA Student Media and other student groups
- Generated scripts for various purposes such as collecting student information and managing events
- Trained interns in both front-end and back-end web development

PROJECTS

5 Wallpapers per Second — May 2014-Present
- Co-developed an Android app to set a user's wallpaper to new and popular images from Reddit

Test Bank: UCLA — Oct 2014
- Built an Android app for students to gain mobile access to previous midterm and final exams

More projects and links listed on website (http://www.karthikvemulapalli.com/projects/)

HONORS & SKILLS

Tau Beta Pi (Webmaster)
- Honor Society for engineering students who meet high academic standards
- In charge of maintaining TBP website and other officer duties

Upsilon Pi Epsilon (Member)
- Honor Society for Computer Science students with a GPA of 3.5 or higher
- Participate in tutoring and mentorship activities for incoming CS majors

Programming: JAVA, C/C++, Python, Android Dev., Bash, HTML/CSS/JavaScript, PHP, MySQL, OCaml, Prolog, MATLAB, R, JQuery, Intel x86 assembly, MIPS

RELEVANT COURSES

Computer Science: OS Principles, Programming Languages, Computer Architecture, Database Systems, Algorithms, Artificial Intelligence
Math/Physics: Linear Algebra, Discrete Mathematics, Statistics, Electrodynamics and Circuits, Systems/Signals
Full list: http://www.karthikvemulapalli.com/courses/