

Karthik Vemulapalli

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EDUCATION

University of California, Los Angeles

Bachelor of Science, Computer Science

Master of Science, Computer Science

Current GPA: 3.83

Expected Completion: June 2016

Expected Completion: June 2017

WORK EXPERIENCE

Facebook

Software Engineering Intern, Cold Storage

Jun 2015-Sep 2015

- Worked with the Cold Storage team charged with long-term data maintenance, 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

Jun 2014-Sep 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

Jun 2013-Sep 2013

- Developed and debugged monitoring tools in both Python and Bash
- Cooperated with the 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
- Mentored interns in both front-end and back-end web development

PROJECTS

Full project details on website (<http://www.karthikvemulapalli.com/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

HONORS & SKILLS

Tau Beta Pi (Webmaster)

- Devise new activities for engineering students and alter the initiation process along with other officers
- Maintain the TBP website and keep track of candidate progress through the initiation process

Upsilon Pi Epsilon (Member)

- Assist in mentorship activities such as study sessions and interview preparation for CS majors
- Tutor students weekly in CS and Math courses

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/>