

# Karthik Vemulapalli

**Phone:** (408) 429-3886 **Email:** k.vemulapalli94@gmail.com **Website:** <http://www.seas.ucla.edu/~vemulapa/>

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## **EDUCATION**

**University of California, Los Angeles**  
Bachelor of Science, Computer Science

Expected Graduation: June 2016  
Current GPA: 3.85

## **WORK EXPERIENCE**

### **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

- Implemented 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-Present

- 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

Systems Administrator

Jan 2014 – March 2014

- Managed servers for the UCLA Student Media websites using OpenVZ

### **Key Solutions**

Software Engineering Intern

July 2011-Aug 2011

- Designed a web service to find potential grants based on a client's criteria

### **Infotech Outreach**

Group Leader

Aug 2010-Aug 2012

- Guided high school students in teaching computer skills to senior citizens lacking prior knowledge

## **PROJECTS**

### **Test Bank: UCLA**

October 2014-Present

- Built an Android app for students to gain mobile access to previous midterm and final exams

### **Wallpaper Feed**

May 2014-Present

- Co-developed an Android app to set a user's wallpaper to new and popular images from Reddit.

**More projects and links listed on website** (<http://www.seas.ucla.edu/~vemulapa/projects/>)

## **HONORS & SKILLS**

### **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

**Math/Physics:** Linear Algebra, Discrete Mathematics, Statistics, Electrodynamics and Circuits

**Full list:** <http://www.seas.ucla.edu/~vemulapa/courses/>