

Tiffany Perumpail

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EDUCATION

UC Berkeley

B.A., Computer Science
Expected: Dec. 2017
GPA: 4.0

Clubs & Activities

Computer Science Mentors
Senior Mentor
January 2015 - Present

Description

- Contribute to improving the staff/student ratio in UC Berkeley's lower-division CS Courses
- Write review materials and run midterm and final review sessions
- Problem sets and review materials here: goo.gl/De8O9r

SKILLS

Proficient in Python, Java, SQL, Scheme, HTML

Prior experience with Javascript, CSS, PHP, C, Go

WORK EXPERIENCE

UC Berkeley

CS61A Teaching Assistant
August 2015 - Present

- Teach discussion sections for CS61A, "The Structure and Interpretation of Computer Programs"
- Write, proctor, and grade mock exams
- Grade exams and project composition
- Help run course-wide midterm review sessions

UC Berkeley

CS370 Web Developer
June 2015 - Present

- Created course website for CS370, Introduction to Teaching Computer Science
 - Website here: cs370-su15.github.io
- Developing a web application for CS61A students to sign up for one-on-one tutoring and review tutors
 - Front end in HTML/CSS/JS, Backend in Python/Django

Wikia, inc.

Software Eng. Intern
May 2015 - August 2015

- Helped long-term migration from MediaWiki monolith towards service-oriented architecture
- Developed RESTful API for queueing jobs
 - Project code here: github.com/Wikia/pandora/tree/master/service/job-queue
- Authored comprehensive Engineering Intern Guide for Wikia One
 - Latex code here: github.com/tiffanyperumpail/internguide
- Worked in Java, Go, & Javascript

Alcatel-Lucent

Wireless Eng. Intern
Feb. 2014 - August 2014

- Researched Single CellSite Shakedown for Call Testing of LTE eNodeBs during deployments
- Participated in MNM (Mobile Network Management) projects
- Awarded with "STAR PERFORMER OF THE MONTH" in Holmdel, NJ office for driving excellence in meeting critical deadlines

The Jeneba Project, SL

Technical Volunteer
June 2012 - August 2012

- Contributed to a new shared cloud storage system for US-to-SL team using Oracle Cloud Computing
- Worked on-site in Sierra Leone for three weeks in order to teach staff how to utilize and customize new system

PERSONAL PROJECTS

College of Chemistry Website

August 2015 - Present

- Central hub for UC Berkeley College of Chemistry students to exchange advice, review courses, and find relevant resources, clubs, and events
- Front end using Bootstrap and HTML/JS/CSS, Backend using AWS and Python/Flask

TutorMe

February 2015 - Present

- Web Application to connect college students who want to tutor to students seeking tutoring
- Frontend using Bootstrap and HTML/JS/CSS, Backend in Python/Flask

Development of Versatile

Low-Cost Prostheses

August 2012 - May 2013

- A granular jamming prosthetic arm targeted for use in developing countries
- Shipped and field-tested prostheses in Kerala, India
- Provisionally patented prostheses from 2013-2014