

# Tiffany Perumpail

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## EDUCATION

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### UC Berkeley

B.A., Computer Science & Applied Math  
Expected: May 2018  
GPA: 4.0

### Clubs & Activities

Computer Science Mentors  
61A Co-Coordinator  
January 2016 - May 2016

### Description

- Contribute to improving the staff/student ratio in UC Berkeley's lower-division CS Courses
- Problem sets and review materials here: [goo.gl/De8O9r](https://goo.gl/De8O9r)

## SKILLS

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**Proficient in** Python, Java, SQL, Scheme, HTML, Latex

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

## WORK EXPERIENCE

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### Wikia, Inc.

Junior Software Engineer  
August 2016 - December 2016

- Conducted user research using k-means cluster analysis and time-series analysis
- E2E development of an experimental application towards improving our users' editing flow and experience based on above findings
- Worked with React, Redux, and Node.js

### Google, Inc.

Software Engineering Intern  
May 2016 - August 2016

- E2E development of an internal crowd-sourced dictionary application
  - Built using Django and MySQL on Google Cloud Platform
  - Application in use by 3,000+ employees on average per week
- Created CRUD API for application using Django REST Framework

### UC Berkeley

CS61A & CS198  
Teaching Assistant  
August 2015 - Present

- Teach discussion sections for CS61A, "The Structure and Interpretation of Computer Programs"
  - Wrote weekly tutoring problem sets over Summer 2015: [goo.gl/4ecG8o](https://goo.gl/4ecG8o)
- Run course-wide midterm and final review sessions
- Lecture for CS 198, "Directed Group Studies for Advanced Undergraduates"

### 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
- Authored comprehensive Engineering Intern Guide for Wikia One
  - Latex code here: [github.com/tiffanyperumpail/internguide](https://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

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### TutorMe

February 2015 - March 2015

- 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