

# Tiffany Perumpail

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## EDUCATION

UC Berkeley	Clubs & Activities	Description
B.A., Computer Science Expected: Dec. 2017 GPA: 4.0	Computer Science Mentors Senior Mentor January 2015 - Present	<ul style="list-style-type: none"><li>• Contribute to improving the staff/student ratio in UC Berkeley's lower-division CS Courses</li><li>• Write review materials and run midterm and final review sessions</li><li>• Problem sets and review materials here: <a href="https://goo.gl/De8O9r">goo.gl/De8O9r</a></li></ul>

## SKILLS

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

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

## WORK EXPERIENCE

<b>UC Berkeley</b> CS61A Teaching Assistant August 2015 - Present	<ul style="list-style-type: none"><li>• Teach discussion sections for CS61A, "The Structure and Interpretation of Computer Programs"</li><li>• Write, proctor, and grade mock exams</li><li>• Grade exams and project composition</li><li>• Help run course-wide midterm review sessions</li></ul>
<b>UC Berkeley</b> CS370 Web Developer June 2015 - Present	<ul style="list-style-type: none"><li>• Created course website for CS370, Introduction to Teaching Computer Science<ul style="list-style-type: none"><li>• Website here: <a href="https://cs370-su15.github.io">cs370-su15.github.io</a></li></ul></li><li>• Developing a web application for CS61A students to sign up for one-on-one tutoring and review tutors<ul style="list-style-type: none"><li>• Front end in HTML/CSS/JS, Backend in Python/Django</li></ul></li></ul>
<b>Wikia, inc.</b> Software Eng. Intern May 2015 - August 2015	<ul style="list-style-type: none"><li>• Helped long-term migration from MediaWiki monolith towards service-oriented architecture</li><li>• Developed RESTful API for queueing jobs<ul style="list-style-type: none"><li>• Project code here: <a href="https://github.com/Wikia/pandora/tree/master/service/job-queue">github.com/Wikia/pandora/tree/master/service/job-queue</a></li></ul></li><li>• Authored comprehensive Engineering Intern Guide for Wikia One<ul style="list-style-type: none"><li>• Latex code here: <a href="https://github.com/tiffanyperumpail/internguide">github.com/tiffanyperumpail/internguide</a></li></ul></li><li>• Worked in Java, Go, &amp; Javascript</li></ul>
<b>Alcatel-Lucent</b> Wireless Eng. Intern Feb. 2014 - August 2014	<ul style="list-style-type: none"><li>• Researched Single CellSite Shakedown for Call Testing of LTE eNodeBs during deployments</li><li>• Participated in MNM (Mobile Network Management) projects</li><li>• Awarded with "STAR PERFORMER OF THE MONTH" in Holmdel, NJ office for driving excellence in meeting critical deadlines</li></ul>
<b>The Jeneba Project, SL</b> Technical Volunteer June 2012 - August 2012	<ul style="list-style-type: none"><li>• Contributed to a new shared cloud storage system for US-to-SL team using Oracle Cloud Computing</li><li>• Worked on-site in Sierra Leone for three weeks in order to teach staff how to utilize and customize new system</li></ul>

## PERSONAL PROJECTS

<b>College of Chemistry Website</b> August 2015 - Present	<ul style="list-style-type: none"><li>• Central hub for UC Berkeley College of Chemistry students to exchange advice, review courses, and find relevant resources, clubs, and events</li><li>• Front end using Bootstrap and HTML/JS/CSS, Backend using AWS and Python/Flask</li></ul>
<b>TutorMe</b> February 2015 - Present	<ul style="list-style-type: none"><li>• Web Application to connect college students who want to tutor to students seeking tutoring</li><li>• Frontend using Bootstrap and HTML/JS/CSS, Backend in Python/Flask</li></ul>
<b>Development of Versatile Low-Cost Prostheses</b> August 2012 - May 2013	<ul style="list-style-type: none"><li>• A granular jamming prosthetic arm targeted for use in developing countries</li><li>• Shipped and field-tested 30 prostheses in Kerala, India</li><li>• 24 prostheses still in use as of June 2015</li><li>• Provisionally patented prostheses from 2013-2014</li></ul>