

TAMMY D. NGUYEN

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EXPERIENCE Summer Sessions CS 61A Co-instructor | May 2018 – August 2018

UC Berkeley EECS Department, Berkeley, CA

- Collaborated with 3 other Cal grads to instruct the Summer 2018 offering of CS 61A.
- Developed and delivered weekly lectures to 300+ students.
- Managed a staff of 30+ teaching assistants and tutors.

Software Engineering Intern | June 2017 – August 2017

Cisco Meraki, San Francisco, CA

- Full-stack web development on Meraki's Dashboard application.
- Integrated macOS app installation with Apple MDM into Meraki Systems Manager.
- Simplified frontend logic and UI for adding managed apps using React/Redux.

Undergraduate Student Instructor | June 2015 – May 2018

UC Berkeley EECS Department, Berkeley, CA

- 61A: Teach intro CS topics (recursion, abstraction, etc.) in Python, Scheme, and SQLite.
- 61B: Teach intermediate CS topics (OOP, data structures, algorithms) in Java.
- 186: Teach database topics (SQL, query optimization, joins, transactions, etc.) in Java.
- Develop, revise, and grade lab assignments, discussion handouts, and exam questions.
- Mentored a cohort of students from underrepresented backgrounds through CS Scholars.

Software Developer | June 2016 – December 2016

UC Berkeley Student Affairs – Information Technology, Berkeley, CA

- Develop and maintain web applications using the Django framework to support SAIT staff.
- Planned, designed, and developed a web app to generate shift schedules for support staff.

EDUCATION University of California, Berkeley | August 2014 – May 2018

B.A. Computer Science (3.76 GPA)

- **Awards:** Dean's Honors (Spring 2016), Outstanding Teaching and Leadership Award
- **Relevant courses:**

Computer Architecture	Artificial Intelligence	Efficient Algorithms and Intractable Problems
Data Structures	User Interfaces	Introduction to Database Systems
Operating Systems	Computer Security	Internet Architecture and Protocols

PROJECTS IOT Food Tracking Application | August – December 2016

UC Berkeley, CS 160 (User Interfaces and Design)

Designed and implemented an IOT application for tracking food lists and recipes in a team of five. Design process included interviewing, prototyping, user testing, and other UX practices. App was implemented in KimonaJS, a Javascript framework for embedded systems.

Gitlet (Java) | April 2015

UC Berkeley, CS 61B (Data Structures)

Designed and developed from scratch a small-scale version control system based on Git that saves/restores files and manipulates branches via the command line. Tested with JUnit.

TECHNICAL SKILLS

Proficient/Familiar

Languages: Python, Java, HTML, Javascript, C, SQLite, Scheme, CSS

Frameworks: React JS, Redux JS, Ruby on Rails, Django

Other: UNIX, Git, Photoshop