# TAMMY D. NGUYEN

Berkeley, California | San Francisco Bay Area
tammynguyen@berkeley.edu | (408) 890-9626
github.com/tmmydngyn | tmmydngyn.com

## EXPERIENCE

**Software Developer** | June 2016 – present
*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 application to generate Helpdesk shift schedules for front-line customer support staff using the Munkres algorithm.

**CS 61A Undergraduate Student Instructor** | June 2015 – present
*UC Berkeley EECS Department*, Berkeley, CA
- Teach computer science topics (recursion, abstraction, etc.) in Python, Scheme, and SQLite.
- Develop, revise, and grade lab assignments, discussion handouts, and exam questions.
- Mentor a special cohort of students from underrepresented backgrounds through CS Scholars.

**Residence Hall Math Tutor** | August 2015 – December 2015
*UC Berkeley Residential & Student Service Programs*, Berkeley, CA
- Conducted tutoring sessions for undergraduate math classes at residence hall academic centers.
- Instilled practical and efficient studying and learning techniques in students.

## EDUCATION

**University of California, Berkeley** | August 2014 – May 2018 (expected)
*B.A. Computer Science (3.86 GPA)*
- **Awards:** Dean's Honors (Spring 2016)
- **Relevant courses (**in progress*):**

| | |
|---|---|
| Machine Structures | Data Structures |
| Efficient Algorithms and Intractable Problems | Introduction to Database Systems |
| *Artificial Intelligence** | *User Interfaces** |

## PROJECTS

**CS61A Resources Website** | August 2015-ongoing
***view:*** *tmmydngyn.com/cs61a-resources,* ***source:*** *github.com/tmmydngyn/cs61a-resources*
Create and organize discussion material, concept guides, and practice-problems for CS61A in a user-friendly static site that maximizes learning efficiency for students.

**MIPS CPU (C, MIPS, Logism)** | October-November 2015
*UC Berkeley, CS 61c (Machine Structures, Computer Architecture)*
Built a two-pass assembler for a subset of the 32-bit MIPS instruction set and the corresponding processor circuit that can perform simple operations and read from/write to memory.

**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.

**Various Side Projects**
***source:*** *github.com/tmmydngyn*
I've completed and am working on various small web development projects in my free time. These include a Secret Santa generator in Flask and a random font generator in MeteorJS.

## TECHNICAL SKILLS

Proficient/*Familiar*

*Languages:* Python, Java, HTML, *SQLite, Scheme, CSS, C, Javascript.*
*Frameworks: Django, Flask, MeteorJS.*
*Other:* UNIX, Git, Photoshop.