TAMMY D. NGUYEN

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EXPERIENCE

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 and revise 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.
- Individualized teaching methods to target a wide array of students' needs.
- Fostered a safe and inclusive environment for a diverse group of students.

Head Student Manager | October 2014 – June 2015
University of California Women's Basketball, Berkeley, CA
- Streamlined practices and other team functions for coaches and players and managed equipment.
- Collaborated with the director of operations to prioritize and delegate tasks to my team.
- Assisted in recording practices and games and distributing information to various social media.

EDUCATION

University of California, Berkeley | August 2014 – May 2018 (expected)
B.A. Computer Science (3.84 GPA)
Relevant courses (in progress):*
- Structure, Interpretation of Computer Programs (Python)
- Machine Structures, Computer Architecture (C, MIPS)
- *Efficient Algorithms and Intractable Problems**
- Data Structures (Java)
- Discrete Math, Probability Theory
- *Introduction to Database Systems**

PROJECTS

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.

CS61A Resources Website (Jekyll, HTML, CSS, Javascript) | August 2015-ongoing
view: *tmmydngyn.com/cs61a-resources,* ***source:*** *github.com/tmmydngyn/cs61a-resources*
Created and organized guides and practice-problems for 61A in a user-friendly static site that maximizes learning efficiency for students.

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 projects in my free time. These include a Secret Santa generator in Flask, a random font generator in MeteorJS, and a notes-to-flashcard app in Java.

TECHNICAL SKILLS

Proficient/*Familiar*

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