Simi Valley, CA
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Heather Dinh

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Education

Santa Barbara, CA	University of California, Santa Barbara	September 2019-June 2023

- Bachelor of Science in Computer Science
- 3.97 GPA, College of Engineering Dean's Honors
- Relevant courses: Problem Solving with C++, Object Oriented Design, Multivariable Calculus, Probability and Statistics, Discrete Mathematics (Fall '20), Advanced Applications (Fall '20), Computer Organization (Fall '20)

Experience

Treasurer	Society of Women Engineers UCSB	January 2020 - Present

- Work closely with board members to prepare yearly budgets for annual conferences, submit timely financial reports, and keep club in good standing with the national SWE organization
- Participate in career development, leadership, and social events such as Evening with Industry

Undergraduate Learning Intern	University of California, Santa Barbara	January 2020 - April 2020

- Interacted one-on-one with intermediate C++ course students during lab hours and assisted in strengthening students' understanding of data structures and algorithms
- Applied techniques and strategies gained from Teaching Computer Science course; improved skills in communication, debugging, and visual representation of abstract concepts

Code Educator	Robotics and Things, Inc.	May 2019 - August 2019

- Taught local elementary school children front-end web design utilizing HTML, CSS, and Javascript
- Encouraged and guided students in creating personal entrepreneurial websites

Software/Hardware Team	Simi Valley HS Robotics	May 2018 - June 2019

- Designed robot drive train and mineral-gathering mechanism, and implemented autonomous software as an engineer for FIRST Tech Challenge Robotics season
- Approved budget, maintained yearly grants, and handled reimbursements for meeting expenditures

Projects

- **"Heat" Text Editor** (2020)- A text editor created from scratch in C, featuring "Heat"-inspired syntax highlighting, keyboard shortcuts, new file creation, and file saving.
- **Medical Information System** (2020)- A system built in C++ that stores medical data and can create new profiles for patients, doctors, and other medical personnel.
- **File Search Engine** (2019)- Program to parse through files in a directory and locate files with user-inputted words that occur within a threshold of instances, and files that contain at least one of multiple inputted words.

Skills and Technologies

- C++, C, Java, Python, HTML, CSS, Javascript, jQuery, Android, iOS
- Github Workflow, Visual Studio Code, Vim, Unix System, Test-Driven Development

Awards and Accomplishments

- Cal Poly Pomona Programming Contest 1st Place Grace Hopper Award, 2019
- Society of Women Engineers Certificate of Merit, 2018