

Simi Valley, CA  
(805) 823-3116

# Heather Dinh

hdinh.tech  
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## Education

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| <b>Santa Barbara, CA</b>   | <b>University of California, Santa Barbara</b> | <b>Fall 2019-December 2022</b> |
| <ul style="list-style-type: none"><li>• Bachelor of Science in Computer Science</li><li>• 3.97 GPA, College of Engineering Dean's Honors</li><li>• 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)</li></ul> |  |                                |

## Experience

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| <b>Treasurer</b>  | <b>Society of Women Engineers UCSB</b> | <b>January 2020 - Present</b> |
| <ul style="list-style-type: none"><li>• 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</li><li>• Participate in career development, leadership, and social events such as Evening with Industry</li></ul> |  |                               |

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| <b>Undergraduate Learning Intern</b>   | <b>University of California, Santa Barbara</b> | <b>January 2020 - April 2020</b> |
| <ul style="list-style-type: none"><li>• Interacted one-on-one with intermediate C++ course students during lab hours and assisted in strengthening students' understanding of data structures and algorithms</li><li>• Applied techniques and strategies gained from Teaching Computer Science course; improved skills in communication, debugging, and visual representation of abstract concepts</li></ul> |  |                                  |

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| <b>Code Educator</b>  | <b>Robotics and Things, Inc.</b> | <b>May 2019 - August 2019</b> |
| <ul style="list-style-type: none"><li>• Taught local elementary school children front-end web design utilizing HTML, CSS, and Javascript</li><li>• Encouraged and guided students in creating personal entrepreneurial websites</li></ul> |                                  |                               |

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| <b>Software/Hardware Team</b>  | <b>Simi Valley HS Robotics</b> | <b>May 2018 - June 2019</b> |
| <ul style="list-style-type: none"><li>• Designed robot drive train and mineral-gathering mechanism, and implemented autonomous software as an engineer for FIRST Tech Challenge Robotics season</li><li>• Approved budget, maintained yearly grants, and handled reimbursements for meeting expenditures</li></ul> |                                |                             |

## Projects

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| <ul style="list-style-type: none"><li>• <b>"Heat" Text Editor</b> (2020). A text editor created from scratch in C, featuring "Heat"-inspired syntax highlighting, keyboard shortcuts, new file creation, and file saving.</li><li>• <b>Medical Information System</b> (2020)- A system built in C++ that stores medical data and can create new profiles for patients, doctors, and other medical personnel.</li><li>• <b>File Search Engine</b> (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.</li></ul> |  |  |
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## Skills and Technologies

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| <ul style="list-style-type: none"><li>• C++, HTML, CSS, Javascript, jQuery, Java, C, Python</li><li>• Visual Studio Code, Github Workflow, Vim, Unix System, Test-Driven Development</li></ul> |  |  |
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## Awards and Accomplishments

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| <ul style="list-style-type: none"><li>• Cal Poly Pomona Programming Contest 1st Place Grace Hopper Award, 2019</li><li>• Society of Women Engineers Certificate of Merit, 2018</li></ul> |  |  |
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