

Diane Nguyen

Software Engineer

CONTACT ME

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EDUCATION

Bachelor of Science, Computer Science

Overall GPA: 3.49

Oregon State University

December 2021

Bachelor of Science, Biotechnology

University of California, Davis

SKILLS

Programming: Python, Swift, JavaScript, HTML/CSS, C/C++, SQL, Flask

Tools/Technologies: VS Code, Visual Studio, Xcode, Git, Jira

Coursework: Operating Systems, Parallel Programming, Data Structures and Algorithms, Analysis of Algorithms, Introduction to Databases, Web Development, Computer Architecture and Assembly Language, Discrete Math, Intro to Cloud Computing (Fall 2021), Capstone (Fall 2021)

Certificates: CodePath iOS Development (October 2020)

HONORS/AWARDS

**Anita Borg Scholar –
Grace Hopper Celebration of
Women in Computing**

WORK EXPERIENCE

Software Engineer Intern

Intel Corporation | Hillsboro, OR (remote) | June 2021 – September 2021

- Refactored a portion of the continuous integration (CI) pipeline to increase scalability and readability within the overall testing framework by following object-oriented programming principles
- Created a Jenkins pipeline script in Groovy to allow developers to easily view build statistics
- Developed a monitoring tool to profile performance of the main codebase and track changes overtime by creating a test harness and incorporating it to the testing framework

Code Coach (Computer Science Tutor)

theCoderSchool | San Diego, CA | June 2020 – May 2021

- Taught students ages 8 – 13 programming through project-based learning

PROJECTS

PetPort – Swift 5, UIKit, CocoaPods, Interface Builder

<https://github.com/Pet-Manager/PetPort>

- Created and presented an iOS application over the course of six weeks with a partner
- Designed and implemented features such as creating an account, adding new pets, posting pictures and captions, and displaying posts in a home view using segues, navigation controllers, and a tab bar controller
- Utilized Parse library hosted by Back4App API to create the Parse Server backend

Hiking Trails Just for You – Python, Flask, HTML/CSS, Bootstrap

https://github.com/diane-nguyen/CS361_Hiking_Project

- Collaborated in a team of five using Agile and Scrum methodologies to develop a customizable hiking trails web app
- Regularly communicated with client to relay progress and discuss outstanding issues
- Implemented feature to provide recommendation on gear and clothing based on current weather and hiking trail

Institute of Curiosity – JavaScript, Express (NodeJS), Handlebars, MySQL

https://github.com/diane-nguyen/CS340_Institute_of_Curiosity_Database_Project

- Built a website driven by a relational database backend with create, create, update, and delete (CRUD) capabilities
- Designed ER diagram and relational schema, and formulated SQL queries