

Diane Nguyen

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in /dianen
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📍 San Diego, CA

🎓 Education

Oregon State University

Bachelor of Science in Computer Science, GPA: 3.49

Expected June 2021

Corvallis, Oregon

⚙️ Skills

Programming/Scripting Languages Python, Swift, HTML/CSS, JavaScript, C++, Perl, SQL

Technologies CLion, Xcode, Visual Studio Code, Tableau, Git

Coursework Data Structures and Algorithms, Analysis of Algorithms, Web Development, Computer Architecture and Assembly Language, Discrete Math, Introduction to Databases

🏠 Projects

TravelAid - BeaverHacks Summer 2020

<https://travelaidapp.herokuapp.com/>

June 2020

- Worked on a team with 2 other developers to create a web application to scrape and update recent country travel information and restrictions as well as display the cheapest flight and pricing from your location to the country of your choice.
- Developed front-end via HTML/CSS/Bootstrap and back-end via Python and Flask.

Institute of Curiosity

<https://cs340-databases-project.ucr.appspot.com/>

January 2020 - March 2020

- Created a website driven by a relational database back-end for museum administrators to keep track of staff and artifact inventory as a course project.
- Designed ER diagram and relational schema, and formulated SQL queries.
- Developed front-end via HTML/CSS/Bootstrap and back-end via JavaScript, NodeJS, and MySQL.

Improving Rosetta's Energy Scoring Function for Protein Design

Supervisor: Dr. Yarov-Yarovoy, UC Davis

October 2013 - December 2016

- Wrote Perl scripts to format publicly available data from the Protein Data Bank to refine energy scoring function of Rosetta software used to study protein's 3D structure for drug target insights.

🕒 Experience

theCoderSchool

Code Coach

June 2020 - Present

San Diego, California

- Held weekly coding sessions in groups of 2 to teach younger students ages 8 - 13 years old Python and Scratch through project based learning.

Anivive Life Sciences

Medical Research Intern

March 2017 - September 2017

Long Beach, California

- Compiled animal clinical trial studies from multiple databases for a veterinary biotechnology startup to be implemented into the company search platform.
- Worked in a collaborative environment to brainstorm, research case studies and synthesize scientific papers into business outlines for the Research and Development team.

🏆 Honors/Awards

Anita Borg Scholar

Grace Hopper Celebration of Women in Computing

October 2015

- Selected as one of 530 participants nationwide based on leadership potential and academic success to attend a 12,000 person conference to bring together women technologists.