

Rudy Orre

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SUMMARY

Committed and creative computer science student who has been programming for 3 years. Seeking to gain firsthand experience in the field as a software engineer intern.

EDUCATION

El Camino Community College
Torrance, CA

June 2019 - June 2021

- GPA 4.0
- Associate of Science Degree (AS) and Certificate in Computer Science
- Relevant Courses: Advanced Programming in C++, Data Structures/Algorithms, Multivariable Calculus, Differential Equations and Linear Algebra, Statistics with Probability, Discrete Structures

WORK EXPERIENCE

Software Engineer Intern

Aug 2020 - Present

Vision 13, Minneapolis, MN

- Simulated a quantum Fourier transformation with quantum gates using Google's Cirq framework
- Deployed a binary quadratic model on D-Wave's Quantum Annealer to perform constraint

Computer Science and Mathematics Tutor

Dec 2019 – Present

Math Study Center, El Camino College

- Provided academic assistance to students from a variety of math and computer science courses
- Specialized primarily in topics such as data structures/algorithms and multi-variable calculus
- Worked with the tutees to reach solutions, rather than to just find answers
- Evaluated and graded students' exams and other class

Google Computer Science Summer Institute (CSSI)

Aug 2019 – Sep 2019

Los Angeles, CA

- Developed full-stack skills to tie the HTML of the site with the backend via Google App Engine
- Collaborated with peers and professors to develop the project ("Warrior Plan")

PROJECTS

Multivariate Linear Regression

May 2020

- Developed a statistical model that uses N parameters to predict the response variable
- Implemented with the gradient descent algorithm

"Warrior Plan" Project

Aug 2019

- Created tools for students such as a search function to find professors' grade distributions
- Developed all the navigation features to switch between pages (<https://warrior-plan.appspot.com/features>)

SKILLS / HONORS / AWARDS

- Proficient in Python, C++, and Java; familiar with HTML, CSS, and JavaScript
- Fluent in reading, writing, and speaking Japanese
- Rank of Eagle Scout, Boy Scouts of America
- National AP Scholar Award, AP Scholar with Distinction Award, AP Scholar with Honor Award
- Dean's List for all semesters at El Camino College