Nathaniel Chang

Software Engineer

Problem-solving Frontend Software Engineer with web development experience through self-initiated projects. Motivated learner who is seeking opportunities to solve problems and create meaningful applications/services.

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EDUCATION

B.S. Computer Science and Engineering
University of California, Santa Cruz

09/2017 - 06/2021   *Santa Cruz, CA*

PERSONAL PROJECTS

Kyrie Website (08/2020 - 09/2020)
- Designed, developed and deployed a website for an on campus fellowship.
- Used Django (Python) framework with HTML5, CSS3 and Javascript; implemented a contact form using Rest API.
- Collaborated with leaders in the fellowship to improve the design and functionality of the site.
- https://kyrieucsc.herokuapp.com/home/

3D Maze Game (10/2020 - 11/2020)
- Designed/Developed a 3D maze using HTML, Javascript, and WebGL with animations and textures.
- Debugged and researched errors while improving the efficiency of the program.
- Learned to use Javascript/WebGL libraries to create 3D shapes and environments.

Affirmative Action (02/2020 - 03/2020)
- Performed Data Mining and Data analysis with college admission/acceptance data from UC colleges.
- Designed algorithms using multiple Python libraries (NumPy, Pandas, & Matplotlib).
- Consolidated/Analyzed all the evidence found into a database that was presented in a visually appealing way.

WORK EXPERIENCE

Records Assistant
UC Santa Cruz Financial Aid Office

06/2019 - 06/2020   *Santa Cruz, CA*
Achievements/Tasks
- Improved the efficiency of financial aid process by organizing the mailing system and online database.
- Analyzed thousands of government documents and student checks.
- Consistently maintained accuracy of the information received.

Assistant Intern
Western Independent Bankers

06/2017 - 09/2017   *San Francisco, CA*
Achievements/Tasks
- Organized client database and increased efficiency by 30%.
- Researched thousands of clientele and inputted their data into company files.

SKILLS

Python Javascript HTML5 CSS3 C
Java Django Bootstrap Git
Command Line Visual Studio Code
Microsoft Office Photoshop Leadership
Collaborative

VOLUNTEER EXPERIENCE

Kyrie Christian Fellowship (04/2018 - 04/2020)
President (1 year), Men's Ministry Leader (2 years)

LANGUAGES

English
Full Professional Proficiency

Cantonese
Full Professional Proficiency

Mandarin
Professional Working Proficiency

Spanish
Limited Working Proficiency

RELEVANT COURSEWORK

Data Structures   UX for Interactive Media
Computer Graphics (WebGL/JS)
Computer Systems/Assembly Language
Abstract Data Types   Computational Models
Comparative Programming Languages
Computer Architecture   Ethics and Algorithms
Probability/Statistics   Discrete Math