

Nathaniel Chang

Web Developer

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.

nathaniel.chang828@gmail.com

(510) 502-2565

San Leandro, United States

nathanielchang.herokuapp.com/home/

github.com/namachan-1

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

jQuery

Anime.js

HTML5

CSS3

Bootstrap

C

Java

Django

Heroku

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

Limited 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