

OWEN DONOHUE

SOFTWARE ENGINEER

CONTACT

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Dedicated Full-Stack Software Engineer with expertise in frontend development and data analysis, I am skilled in building user-friendly interfaces and leveraging data insights to drive decision-making and optimize performance.

EXPERIENCE

Front End Developer | 2024

Senior Project

- Designed and lead a team to develop a react application to store account and character data for the video game World of Warcraft and create teams. Users were able to create accounts and simply type in a character name and add characters as well as perform analysis based on the stats of characters and make comparisons and assign notes to characters.
- App communicated with the Blizzard API, and used its own API to store data on a SQL server hosted by AWS.

Compiler Engineer | 2024

Sonoma State University

- Designed Interpreter for C-style language in C++. Interpreter consisted of 6 step process of removing comments, tokenizier, using a symbol table, abstract syntax tree, concrete syntax tree, and the final interpreter with a program counter

Data Analyst | 2023

Sonoma State University

- Developed a CNN and used algorithms to classify 80 GBs of public photos of a solar eclipse using Tensorflow and Keras libraries.

Music Tutor | 2020-2022

- Helped others with developing performance skills and fundamentals in Jazz and Classical Trumpet

EDUCATION

Sonoma State University | Graduated 2024

Bachelor of Science in Computer Science

SKILLS AND PROGRAMMING LANGUAGES

Courses

- Algorithm Analysis, Computer Vision, React Development, Programming Languages, Statistics, Game Development

Programming Languages

- C, C#, C++, Python, HTML, JavaScript

Tools

- Visual Studio, Jupyter Notebooks, MySQL, Github, Google Sheets.

Awards and Honors

NorCal Honor Band | 2020

Scholarship for Music, Sonoma County Honor Band | 2016

Overall Outstanding Musician | 2020

Outstanding Jazz Member | 2020