Jack Marchant

Goal oriented programmer passionate about creating work to be proud of.

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EXPERIENCE

Synergy, Westport CT. — *Intern*

June 2022 - September 2022

Part of the company's Plan/Build Team specializing in communicating with external clients and fulfilling their needs as their all round technology solutions partner.

Increased productivity of the machine imaging team by introducing a new system that took the average output of the team from 10 machines a day to 16 machines a day.

Experienced working with the development team and learning from senior full stack developers.

Brightview, Westport CT. — *Greenskeeper*

May 2021 - September 2021

Part of a small team responsible for the maintenance of a popular golf course.

Worked under intense conditions to maintain a high level of satisfaction for well-paying customers.

Took feedback from members of the course and found ways to implement their requests and suggestions.

Private, Westport CT. — Private *Tutor*

August 2018 - May 2021

Worked with different age groups of school children of different abilities to improve their skills in the general area of mathematics.

Explained subject areas that the student had previously struggled with in ways that they had not seen before, making it clearer for them to understand.

Communicated with parents who weren't familiar with the school systems, often advising them what the best steps would be to take for their children with extensive reasoning.

SKILLS

iOS development.

Web development.

Backend development.

Functional programming.

APIs.

Testing.

Strong communication skills.

Problem solving.

Customer service.

RECOMMENDATION

Letter of recommendation from senior developer at Synergy Online available upon request.

LANGUAGES

Java, Swift, Python, Ruby, HTML, CSS, Javascript, Haskell.

ELIGIBLE TO WORK

United States (Green Card holder), United Kingdom (citizen)

EDUCATION

University of Sheffield, Sheffield UK — BSc. *Computer Science*

September 2021 - May 2024

Current student of the University of Sheffield pursuing a Bachelor's degree in Computer Science. Gained experience in areas including, but not limited to: Artificial Intelligence; Functional Programming; Data Driven Computing; Systems Design and Security; Algorithms and Data Structures.

Staples High School, Westport CT.— *Diploma*

August 2017 - May 2021

Graduated from a top ranked high school in Connecticut with AP's in Calculus, Physics, Computer Science, Economics, and American Government and Politics.

SOME PROJECTS

ACME — *University*

Part of a small team tasked with taking briefs from clients during weekly meetings and creating a *"Twitter like social media platform"* for academics, available as a web application. Gained major hands-on experience with the Ruby on Rails framework and software engineering team practices, as well as refining my skills in full-stack web development throughout the year long project.

Fantasy 72 — *Personal*

Created an iOS application with Apple's SwiftUI framework that resembled a fully functioning fantasy football application for the three professional football leagues in the UK below the top division. Also included a backend using Node.js which would update a Google Firestore database using live data retrieved from an external API.

Artificially intelligent 8 puzzle solver — *University*

Developed a path finding algorithm to solve a 3x3 grid puzzle using both Branch and Bound and A* algorithms. Wrote a detailed LaTeX report discussing findings.

Enigma and Bombe recreation — *University*

Assembled a fully functioning wartime enigma machine simulation with functional programming language Haskell. Then created a simulation of the British Bombe machine in order to crack the encrypted messages from any possible enigma machine setup.