Randi Gjoni

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Education

University of Southern California Graduated May 2022

Bachelor of Science, Computer Science (GPA: 3.8), Magna Cum Laude

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Probability Theory, Networking and Security.

Experience

Hymes, Barrera and Kim CPA, LLP – Bronxville, NY March 2022 - Present

Software Developer

- Designed and developed two Python programs specialized in Systems Automation for the accounting team in both MacOS and Windows.
- Configured client database using MySQL and Node.js for the programs to retrieve data.
- Programs adapted by staff and increased tax preparation productivity by 22.6%.
- Automated organization of client for senior management, streamlining data integration.

Shade Inc, Startup – Los Angeles, CA March 2022-June 2022

Software Engineer

- Developed an iOS application focused on connecting people through their hobbies.
- Implemented the iOS app using SwiftUI and XCode; then used Firebase for user authentication, security, database access, and storage.
- Used Figma to create streamlined designs that reduced user questions by 33% in production.
- Led a team of three throughout development while conducting user studies to make appropriate changes.

Experiential Learning Center – Los Angeles, CA January 2022-March 2022

Full Stack Developer

- Worked on the ELC Resolve website developing functionality for videos, survey questions, and storage of response data.
- Used Node.js, MySQL, and Express for the backend, React and Axios for the frontend, and Postman to test API calls between the two.
- Led communication with the frontend and backend teams and worked under a Rapid Application Development Methodology.
- Improved site had a 32.5% increase in user retention and a 25% increase in effectiveness in educating students.

Projects

NQueens Algorithmic Search

- Modeled the famous NQueens board configuration entirely in C++.
- Implemented the Simulated Annealing and Hill Climbing algorithms to search for the solution.
- Provided a resource for students and faculty to better learn how algorithms work in solving this complex problem.
- Demonstrated that Simulated Annealing worked best and the tendency for Hill Climbing to get caught in a local minima 85% of the time for large sample sets.

Skills

- C/C++, Java, Python, JavaScript, Swift, React, Angular, Kubernetes, Spring, SQL MySQL, NoSQL, TypeScript Flask, Django, Heroku, JSON, Proficient with Google API’s (Maps, Calendar, Sign In)