GRACE WILSON

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EDUCATION

University of California, Los Angeles (UCLA) | Los Angeles, CA   *September 2020 - (December 2025)*
Bachelors of Science, Computer Science
<u>Relevant Coursework:</u> Intro to Comp Science, Fundamentals of Comp Science, Computer Organization, Software Construction, Programming Languages, Algorithms, Operating Systems, Theory of Computing, Intro to AI

EXPERIENCE

Operations Software Engineer Intern | Apple | *Santa Clara Valley, CA*   *June 2024 - September 2024*
Involved in end-to-end solutions for Product Operations including customer communication and requirements analysis to implementation, testing, and support; Collaborating with global teams at Apple to deliver effective and innovative solutions
- Designed, instrumented, and deployed a metric monitoring module and pipeline for factory network components in high-volume manufacturing environments
- Engineered web interface using React, Tailwind and Node.js for monitoring and managing test factory line operations, enabling real-time data visualization and control
- Actively contributed to weekly team meetings, consistently delivered key features on schedule, and effectively communicated progress and results to upper management, ensuring alignment with project objectives

Software Engineer - IT | CPA Collective | *Remote*   *March 2023 - January 2024*
Installed, maintained and repaired software components of the organization's computers; Automated & streamlined several internal processes such as new client onboarding and distributing information to clients and employees
- Collaborated with UI/UX designers to revamp the company website. Ultimately achieved 1.4k page views per month.
- Fabricated and organized the dispatching of emails to over 300 clients
- Devised and implemented client onboarding funnel, stitching together over 10 different softwares and APIs, and cutting onboarding time by 70%

Frontend Developer | Retune | *Los Angeles, CA*   *September 2022 - January 2024*
As a member of DevX club at UCLA, contributed to the design and creation a full stack revolutionary music social media platform, allowing users to discover music based on real-time location and from other participating members of the community
- Wrote code in Javascript for several front-end features using React-Native, Node.js and Expo and the Spotify API
- Constructed audio object used in several elements within the application
- Collaborated in a team and participated in weekly meetings with 14 other engineers

PROJECTS

Web Application | *Independent Full Stack Developer* | Topo   *August 2023*
(Javascript, C++, Node.js, Google Maps)
Web application that takes an input number of miles and gives the route with the least amount of elevation gain
- Employs the use of several data structures and algorithms like Priority Queues and Dijkstra's Algorithm as well as Insertion and Bubble sorting

Language Interpreter | *Independent Developer* | Brewin   *December 2023*
(Python, Git)
Foundational interpreter in Python for fictional programming language (a blend of C++, Python, and EMACS Lisp) enabling the execution of basic programs and laying the groundwork for subsequent feature enhancements
- Acquired a profound understanding of programming languages in general, with a focus on Python

Custom Infotainment System | *Independent Software Developer* | Rhea   *April 2020*
(Python, Raspberry Pi)
Developed an integrated music management and information system, combining custom hardware and software.
- Implemented Bluetooth connectivity and designed a custom touchscreen display for enhanced user interaction

IOS Application | *Independent Full Stack Developer* | The Race   *January 2019*
(Swift, Google Firebase)
Application created to be used in conjunction with a large scale scavenger hunt, providing clues and displaying real time data
- Built from scratch in Swift and utilized Google Firebase to scan and upload information; Designed custom user interface, and animations to deliver a smooth and enjoyable experience to 10 teams of participants

TECHNICAL SKILLS

- Languages & Tools: C++, Python, Bash, JavaScript, TypeScript, HTML, CSS React.js, Node.js, Express, RESTful API, SQL
- Effective collaborator or independent worker with leadership and communication skills