Charles R. Edwards

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Aspiring to gain hands-on experience in a role that allows me to combine my technical background in computer science with my creative problem-solving skills. I am interested in opportunities that involve technology-driven innovation, digital design, and interactive solutions, where I can apply both analytical thinking and creativity. I hope to explore how programming, user experience, and visual design intersect to create engaging and impactful solutions.

Education

University of California Davis   **September 2022 – Expected June 2026**

Expected Bachelor of Science in Computer Science   *Davis, CA*

- Relevant Coursework: Data Structures, Algorithms Design & Analysis, Machine Learning

Certifications

Apple Certified MacBook Air (2022, 2023, and 2024) Technician

Apple Certified MacBook Pro (13-inch, M1, 2020; and 13-inch, M2, 2022, 14-inch, 16-inch) Technician

Experience

UC Davis Stores TechHub Repair   **September 2024 – Present**

Service Technician   *Davis, CA*

- Performs repairs on MacBooks, iPads, AirPods and a range of other products as an employee of an Apple Authorized Service Provider
- Independently diagnoses hardware and software issues to deliver timely solutions
- Leverages Apple's Global Service Exchange to effectively repair customer products and software
- Effectively guides customers through technical issues and solutions as a client-facing representative

Davis Undergraduate Engineering Network (DUEN)   **October 2023 – December 2023**

Marketing Director   *Davis, CA*

- Led a committee of 7 club members responsible for the development and implementation of content strategies to grow the club's social media presence
- Oversees maintenance of the club's website by using HTML and CSS
- Analyzes attendee data, demographics, and application trends to drive membership growth and event participation

Wnderful Design   **March 2022 - Present**

Founder   *Mission Viejo, CA*

- Founded and launched a clothing brand that has surpassed $1000 in revenue
- Oversaw all aspects of product development including design, production, and distribution
- Manually screen-printed each piece of clothing and sourced supplies through small local businesses
- Oversaw website design and multiple social media campaigns to facilitate sales

Projects

Machine Code Arithmetic Implementation | *x86 Assembly, C++*   **March 2024**

- Developed a machine code program to perform addition and subtraction operations, leveraging inline assembly for optimized performance
- Integrated advanced arithmetic techniques, focusing on the manipulation of floating-point representation, including mantissa and exponent, to ensure accurate calculations

DUEN Paper Airplane Launcher | *Arduino C/C++*   **November 2023**

- Collaborated with senior club members to use the Arduino IDE to interface with a Wii Nunchuck, enabling precise 360-degree rotation and launching mechanisms for the paper airplane launcher
- Formulated the overall design and aesthetics of the device to assist the group in meeting deliverable timelines

Technical Skills

Programming Languages: Python, C++, JavaScript

Software: Blender, Adobe Photoshop, Adobe Illustrator