Will Corcoran

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EDUCATION

University of California, Santa Barbara (UCSB)   Expected: June 2025
Bachelor of Science (B.S.), Computer Science
Regents Scholar (top 2% of admitted students) | College of Engineering Honors | Dean's Honors
GPA: 4.0 | SAT: 1540 (Math: 790, EBRW: 750)

WORK EXPERIENCE

Haggard Labs, Fullstack Software Engineering Intern   June 2023-Sep. 2023
- Assisted the launch of *Yopp,* a financial wealth aggregation application, with a focus on user experience and interface.
- Designed an ease-of-use platform for simple addition and relevant analysis with React Native and TypeScript.
- Optimized data writing and retrieval by up to 80% through NoSQL database management.
- Engineered secure serverless functions to retrieve financial data from external entities via RESTful APIs, leveraging Node.js and Firebase Cloud Functions.
- Communicated closely with the oversight team to ensure quality control and align design with strategic objectives.

RESEARCH EXPERIENCE

Department of Computer Science, Student Researcher   Sep. 2023-Present
- Collaborating with a team of four as a part of UCSB's Early Research Scholars Program.
- Presenting research findings at an end-of-year conference under the supervision of a graduate mentor and lead professor.

PROJECTS

Verde   Jan. 2023-Mar. 2023
- Crafted a social media app, *Verde*, with daily environmentally-focused challenges along with photos and user interaction.
- Worked with a team of three others in a team-oriented development process using React Native, TypeScript, Expo, and Firebase Suite.
- Awarded 1st place in UCSB's Google Developers' 2023 Solution Challenge.

Startup Company Success Predictor   Jan. 2023
- Built a predictive model for startup companies based on a holistic view of their founding, funding, and fundamentals.
- Produced a classification model with metric analysis and model training using Scikit-learn, Numpy, and Pandas.
- Increased accuracy by 22% over baseline predictions with careful consideration of parameters.

Personal Finance Calculator   Dec. 2023
- Used Python and multiple APIs to run a real-time update on the value of a portfolio.
- Outputs a visual update to the terminal with graphics and breakdowns.

LEADERSHIP EXPERIENCE

CRU, Leadership Committee   Sep. 2023-Present
- Coordinated and planned weekly events, meetings, and dinners.
- Managed club outreach through social media, personal communication, and other forms of marketing.
- Communicated with other students about their beings and purpose.

9929 Records, Independent Label Music Executive   Aug. 2021-Present
- Developed three artists from the ground up using image and likeness, sound, and social media.
- Created, produced, and published five albums and more than one hundred songs with over 450,000 streams.
- Analyzed trends and data to create a marketing plan for each individual release and performance.

VOLUNTEERING EXPERIENCE

Goleta Valley Junior High School, 8th Grade Math Volunteer   Sep. 2022-Present
- Led a group of five or more students down paths to accomplish classwork and review homework.
- Provided support for instructor of under-performing class through individualized, targeted instruction.

UCSB, Open House Assistant   Apr. 2023
- Met with prospective students about experience as a Computer Science major and Regents Scholar.

SKILLS

Technical (order of proficiency): C++, Python + various packages, JavaScript, TypeScript, React Native, Firebase, Node.js, Adobe Suite, Java, LaTeX, GitHub, Expo, HTML/CSS, Rust, Solidity, Docker, Django, CompTIA