Corbin Lienau

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EDUCATION

Bachelor of Science Software Engineering May 2026
Arizona State University, Tempe, AZ 3.75 GPA
Relevant Coursework: Java Data Structures & Algorithms, C/C++ Programming Languages, Computer Org/Assembly Language, Calculus I-III, Discrete Math Structures

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, Assembly, JavaScript, HTML, CSS, MySQL
Tools: GIT, Docker, MATLAB, AutoCAD

WORK EXPERIENCE

Delivery Driver Helper August 2022 – December 2023
United Parcel Service

- Dedicated essential support in efficient package delivery for delivery drivers.
- Exemplified exceptional teamwork, attention to detail, and a commitment to ensuring timely and accurate deliveries during peak seasons.

Soccer Referee August 2018 – August 2021
Carolina Elite Soccer Academy

- Officiated fair and competitive soccer matches for youth and young adult players.
- Demonstrated strong knowledge of the rules, exceptional communication skills, and a commitment to maintaining a high standard of sportsmanship on the field.

PROJECT EXPERIENCE

Weather Web App August 2023 – September 2023

- Developed a real-time weather web application utilizing **React.js** and **Node.js**, resulting in an efficient environment and reduced development time by 30%.
- Implemented user authentication and registration via Firebase, enhancing data security and offering a personalized user experience.
- Integrated OpenWeatherApp **API** for accurate real-time weather data, providing users with 97% accuracy rate in weather forecasts.

Coordinated Robot Simulation and Control January 2023 – March 2023

- Designed a drone robot using **AutoCAD**, incorporating both hardware and software components to create a functional robotic system with 95% accuracy avoiding simulated objects.
- Developed control logic and functionality for drone using **Arduino**, writing efficient and reliable code leveraging OOP practices to ensure robot's proper operation.
- Utilized **MATLAB** to build a rudimentary simulation environment visualizing coordinated movement and actions of multiple robots on a grid.
- Spearheaded project's success in 7 ½ weeks through active collaboration, clear communication, and a commitment to meeting project milestones and goals.

Coffee Machine Water Reservoir Redesign June 2021 – February 2022

- Designed and fabricated a custom PCB for a water reservoir conversion project leveraging 2D **AutoCAD**, incorporating a 4N25 opto-isolator and an LS555 timer chip.
- Employed AutoCAD to devise precise designs for water reservoir and mechanical components, adapting it into a coffee machine reservoir with integrated IR sensor water level detection.
- Conducted testing and diagnostic procedures, converting a standard reservoir into a water reservoir with a precision-timed water pump, reducing fill time to 7 seconds for coffee machine integration.

EXTRACIRRCULAR

CodeDevils January 2022 - present

- Attended weekly meetings to gain experience in Computer Science and Software Engineering related topics.