Gabriel Kassie

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SUMMARY

Computer engineering student with experience in technical projects for Engineering Projects in Community Service (EPICS) and Destination Express LLC. Seeking internship during the summer of 2025 in embedded systems, hardware development, software engineering, and related areas.

EDUCATION

B.S.E., Computer Engineering   May 2028
Arizona State University, Tempe, AZ   3.96 GPA
Barrett, The Honors College
Relevant Coursework: Object-Oriented Programming and Data Structures, Digital Design Fundamentals

SKILLS

Programming Languages: Java, Python, C, C++
Software Development: HTML, CSS, Django, Kivy, Git/GitHub
Design and Modeling Tools: Onshape, TinkerCAD, Microsoft Excel

WORK EXPERIENCE

Destination Express L.L.C., **Phoenix, AZ: Software Engineer**   December 2024 – January 2025
- Developed and deployed My Destination Express, a web application that streamlined auto parts delivery, improving order tracking and management efficiency
- Designed secure user authentication, real-time order tracking, and driver management features, using Django, Python, and SQLite, enhancing operational oversight
- Built an admin dashboard to automate order assignments and manage requests, reducing manual workload and response times

Destination Express L.L.C., **Phoenix, AZ: Independent Contractor**   May 2022 - Present
- Delivered auto parts across 50+ cities in Arizona, ensuring timely deliveries and customer satisfaction
- Managing freight billing and payment collections, reducing payment discrepancies and improving financial tracking

RESEARCH AND ACADEMIC PROJECTS

Vietnam Shrimp Farming: Prototyping Lead   January 2024 – Present
Engineering Projects in Community Service (EPICS), Arizona State University
- Developing a sensor array to monitor shrimp farm conditions, enhancing water quality management
- Implementing real-time data transmission from Arduino to a mobile app, improving remote monitoring capabilities
- Collaborating with four engineers to refine system specifications, optimizing sensor accuracy and deployment efficiency

Solar Devils, Arizona State University: Electrical Integrations Engineer   August 2024 – Present
- Engineering a real-time driver dashboard using Python and Kivy, providing critical vehicle diagnostics
- Processing 700+ CAN Bus data points to optimize vehicle performance and monitoring
- Integrating a Raspberry Pi for data visualization, improving accessibility of vehicle insights