

David Cirenese

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WORK EXPERIENCE

Ford Motor Company

Dec. 2023 – Present

Full stack Software Engineer

Dearborn, MI

- Scaled a Public Charger Data platform, including setting up data pipelines, tailoring data processing to business needs, and increasing load capacity of high-usage API
- Built CI/CD pipelines to automate smoke tests, approval requests, GCP deployments, rollbacks, and quality gates
- Utilized Kanban and Scrum methodology to coordinate project delivery
- Leveraged Test-Driven Development to ensure maintainable, well tested code
 - Tech: Java (Spring Boot); MongoDB; GCP; Jenkins; Tekton

Ford Motor Company

May. 2022 – Dec. 2023

Full stack Software Engineer Co-Op

Dearborn, MI

- Developed an internal application to simulate BEV/PHEV charge events as aid for product testing
- Built a pilot program to optimize EV charging schedules, thereby maximizing green energy intake and reducing energy costs
 - Tech: Kotlin (Spring Boot); MongoDB; MySQL; TypeScript/Angular

General Motors

Sept. 2023 – Dec. 2023

Student Capstone Project

Remote

- Created an Application Lifecycle Dashboard that can be used internally by engineers for managing workflow and deployment of applications
- Coordinated tasks among a 5-person team to deliver our product on time
 - Tech: Java (Spring Boot); MariaDB; TypeScript/Angular

EDUCATION

Michigan State University

Dec. 2023

B.S., Computer Science

East Lansing, MI

- **GPA: 3.9/4.0**
- Graduated with Honors College distinction

SKILLS & INTERESTS

- **Technologies:** Java (Spring Boot); Kotlin; Python; C++; SQL; MongoDB; GCP; JavaScript/TypeScript; Angular; React; CI/CD (Jenkins, Tekton)
- **Skills:** Conversational Spanish; Internet of Things; Test-Driven Development; Kanban/Scrum
- **Interests:** Camping; Traveling; IoT Projects; Learning Spanish; Cardio

ACTIVITIES

- SpartaHack VII, VIII at Michigan State University 2023, 2024
- GrizzHacks VI at Oakland University 2024