David Cirenese

Shelby TWP, MI | cirenese@msu.edu | (586) 854-6361

Objective

To secure a full-time position as a software engineer that utilizes and further develops my skillset.

Education

Michigan State University - East Lansing, MI

- Bachelor of Science, Computer Science with Honors   Dec 2023
                                                                        GPA 3.91

Experience

Ford Motor Company - Full-Stack Software Engineering Co-Op - Dearborn, MI   May 2022 - Present

- Developed an internal application to simulate BEV/PHEV charge events as aid for SmartGrid products and testing
- Utilized full-stack development ranging from JavaScript React/Angular for frontend, Java Spring Boot/ Kotlin for backend, and MongoDB/SQL for database management
- Applied SCRUM and Agile methodology to collaborate with SmartGrid team on projects. Followed Test-Driven-Development procedures for feature validation
- Received the Top-Achiever Award for the 2022 Intern City of Tomorrow Challenge from a presentation of future applications of dynamic micro-grids to combat increasing grid loads

General Motors Capstone Project - Student - East Lansing, MI   Sep 2023 – Dec 2023

- Created an Application Lifecycle framework that can be used internally by engineers for managing workflow and deployment of applications
- Utilized full-stack development such as TypeScript/Angular for frontend and Java Spring Boot for backend, and MariaDB for database systems
- Coordinated Tasks amongst 4 other students to deliver our product on team in a short period

Fraunhofer USA - Professorial Assistant - East Lansing, MI   Sep 2020 - May 2022

- Perform lab work and be responsible for keeping track of data programmatically
- Learned to program with Python and LabView to help measure and record data while innovating other solutions for on-the-job problems

Accomplishments

- Award winner at MSU's SpartaHack 8 hackathon
- Dean's list for 3 years
- Member of the MSU Honors College
- MSU Alumni Distinguished Scholarship competition winner

Skills

- Kafka, Google Pub/Sub, Android Development, JavaScript/TypeScript, Angular/React, Java, Spring Boot, Kotlin, C++, Git, SQL, MongoDB, MariaDB, Apache Tomcat, and Python
- 5 years of Spanish education