

EVAN FIORITTO

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Summary

Aspiring Software Engineer with hands-on experience as a Research Assistant where Python programs were designed to manage large datasets. Demonstrates a strong foundation in software engineering concepts, particularly through work on machine learning models with a focus on LSTM implementations. Skilled in programming languages and tools such as C++, Java, and Selenium. Eager to apply analytical skills and technological expertise in contributing to strategic processes and supporting divisional needs in an internship position.

Education

Michigan State University, College of Engineering, East Lansing MI

Bachelor of Science, Computer Science: Concentration in Software Engineering

Aug 2022 - May 2026

- Member of Honors College
- Minor in Information Technology

Work Experience

Michigan State University

Remote, based in East Lansing MI

Research Assistant II

May 2024 - Nov 2024

- Led efforts to design and implement multiple Python programs using Selenium to automate scraping, tracking, and managing large-scale datasets from online sources. Successfully procured and verified numerous files via OCR processing.
- Experimented with machine learning models utilizing Python, including an LSTM model to predict and score integrative complexity of text.

Projects

VelocIT

Career Fair Optimization App

Oct 2024

- Developed backend infrastructure using Firebase for real-time data management, user authentication, and profile management
- Integrated geolocation services to connect users with nearby recruiters and facilitate networking.
- Collaborated in leveraging Groq AI API for skill summaries and tailored networking recommendations.
- Presented at MHacks 2024

CarbonCount

Emissions Tracker

Feb 2024

- Built a full-stack web application using Node.js (backend) and HTML/CSS (frontend).
- Integrated Google Maps API, Kintone, and Auth0 for user authentication and data storage.
- Calculated and tracked users' carbon emissions during transit, enabling competition for the lowest emissions.
- Won "Best Auth0 Application" and "Best Use of Kintone" awards at Grizzhacks 6

System82

Interactive Puzzle Experience

Jan 2024

- Developed an interactive puzzle website using Flask framework.
- Designed puzzles requiring users to manipulate and interact with webpage elements to advance.
- Won "Best Artistic Application" award at Sparahack 9.

LED Phone Case

Hardware Prototype

Jan 2023

- Functional iPhone SE phone case design custom printed using Autodesk 360 outfitted to comfortably house and operate an Arduino-powered LED ring running user uploaded code.
- Designed for MSU Design Day and was a winner in the EGR 100 design competition.

Skills

C++/C, Python, Java, HTML, CSS, JS, GIT, ARM Assembly, Flask, Selenium, Arduino, OOP, Concepts, React, Node.js

Achievements

GrizzHacks 6 Winner, SpartaHack 9 Winner, John K Welch, Endowed Scholarship, Michigan Competitive Scholarship, MSU Design Day EGR 100 Winner, Dean's List