Alekzander Green

Aspiring Software Engineer
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Remote | Hybrid | In-Office | Happy to relocate!

Skills

Programming: Python, C++, C#, JavaScript, Java
Data Analysis: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, PyTorch, MechanicalSoup, Plotly
Web: HTML, CSS, REST, WebSockets, React, SvelteKit, Django, Express, FastAPI
DevOps: Git, GitHub Actions, automated testing, test-driven development, CI/CD, Agile, Docker
Databases: SQL, NoSQL, PostgreSQL, SQLite, MongoDB, AWS S3

- Full-stack, embedded, web, desktop, tooling, testing, data analysis and visualization
- Data structures, algorithms, design patterns, architecture patterns, object-oriented programming
- Solid history of groupwork, written and verbal communication, leadership, and organization
- Fast and dynamic learner with a growth mindset and a passion for learning new technologies

Education

M.S. Computer Science — **May 2025**
Purdue University – Fort Wayne, IN — 4.00/*4.00* GPA

B.S. Computer Engineering Technology — **May 2023**
Purdue University – Fort Wayne, IN — 3.95/*4.00* GPA

Experience

Graduate Teaching Assistant, Lecturer, Purdue University – Fort Wayne, IN — **Aug 2023 – May 2025**
- Developed lesson plans for a university level introductory Python programming course
- Taught 1-2 sections each semester with 20+ students in each section
- Clarified complex technical topics for both technical and non-technical students

Lead Data Analyst & QA Engineer, PFW IAV Center – Fort Wayne, IN — **Aug 2023 – Aug 2024**
- Oversaw small teams of 3-4 data analysts and QA engineers
- Delivered analyses of real operational and financial data from local companies using Python, pandas, Matplotlib, and scikit-learn to diagnose issues and predict trends
- Verified and reworked analyses and visualizations produced by other analysis teams
- Developed samples to acquire more partnerships with other local businesses

Engineering Co-Op, Nidec Drive Systems – Fort Wayne, IN — **July 2020 – Jan 2022**
- Analyzed 30+ GB of motor testing data using Python, Pandas, and Matplotlib which led to a full diagnosis and correction of incorrect testing parameters
- Designed a magnetic sensor testing assembly using an STM32 microcontroller programmed with embedded C++ to help calibrate rotor positioning sensors