

Joshua Woods

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High achieving CS student seeking full-time employment.

EDUCATION:

Kettering University Flint, MI

Graduation: Dec 2023

Bachelor of Science in Computer Science with a Concentration in Artificial Intelligence 3.1 GPA

Looking for immediate start in new role.

Relevant coursework: Machine Learning; learning the strategies used in machine learning systems.

Artificial Intelligence: learned processing techniques used for AI systems.

Academic computer science projects:

1. **Student Loan Software:** created a web-based application involving account creation/login with three user types. Each user had separate abilities and permissions specific to the user.
2. **NFL Pass/Run Prediction:** developed machine learning models in Python, such as a support vector machine, to predict a run or pass play with 90% accuracy from play-by-play data.

WORK EXPERIENCE:

Shiloh Industries, Galesburg, MI

Jan. 2021 - September 2023

Engineering Intern

Worked Closely with the Control Systems Engineer to create a Manufacturing Execution System. Tracked KPIs across the entire plant, involving heavy development and installation of edge devices.

- I developed Raspberry Pi to collect data using a suite of open-source tools, Node-Red, Grafana, and Influx DB, running in a docker container.
- Developed dashboards in PowerBI showing key production indicators of the machines in the plant, downtime, overall efficiency, and many more.
- Managed an InfluxDB database holding all the production data and co-managed an SQL database to develop the PowerBI dashboards.
- Developed a machine learning model/system based on audio to detect when welding errors occur in production that was proven to work.

AlixPartners, Southfield, MI

Feb. 2020 - September 2020

SharePoint Co-op

Member of the corporate services team that developed a new internal website for the entire global company. The project involved a major upgrade from SharePoint 2013 to SharePoint Online.

- Designed user interfaces based on requirements from each department; met with end users across the US and overseas to gather their specific user requirements.

SKILLS

Python

Prompt Engineering

HTML & CSS

Office Suite

Scrum Agile Experience

PowerBI

LEADERSHIP EXPERIENCE

Member in good standing of Pi Kappa Alpha Fraternity

2020 - present

- Elected External Vice President; Managed five committees, planned, and managed large events, and handled all external relations.
- Elected president of the Interfraternity Council, provide leadership and guidance to the 8 Vice presidents beneath me to upkeep all of fraternity and sorority life