

Joshua Masters

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OBJECTIVE

Recent Computer Science graduate seeking an entry-level, full-stack software development role with a focus on web applications.

EDUCATION

University of Dayton | Dayton, OH

May 2024

B.S. Computer Science | GPA 3.57

Concentration: Artificial Intelligence/Data Science | Minor in Music (Vocal, Guitar, and Piano)

TECHNICAL SKILLS

- **Programming Languages:** Python | Java | SQL | JavaScript | C++ | HTML | LISP
- **Web Development:** React | Express | Socket.IO | Node.js
- **Databases:** MongoDB
- **Tools:** Git | GitHub | Jira | Docker | Heroku | Mermaid | PlantUML | Markdown | Draw.IO

WORK EXPERIENCE

Hybrid Telework College Intern

July 2023 – Present

Ohio Department of Transportation

Columbus, OH

- Resolved user inquiries based upon Civil Rights & Labor Construction Contracting System.
- Utilized SQL Server Management System to collect data more quickly from extensive databases.

Student Technology Summer Intern

May 2016 – Aug. 2020

Kenston Technology Department

Bainbridge, OH

- Ensured seamless classroom technology by resolving hardware and software issues for teachers and staff.
- Utilized an organized system for tracking technology assets, improving efficiency and accountability
- Led team on initiative and problem-solving, supervising tasks and delegating responsibilities.

PROJECTS

Financial Exchange Application | Dr. Nicholas Stiffler (CPS 491)

Jan. 2024 – April 2024

- Built an event-driven, microservice-based financial exchange application facilitating client transactions with fairness, speed, and reliability on a team of eleven.
- Utilized React and Spring Boot for the frontend and backend, respectively, and integrated Kafka for real-time data streaming and MongoDB for persistent storage. Project documentation leveraged through Draw.io, Markdown, and PlantUML. JIRA tools used in Sprints for project management across team.

Messenger Application | Dr. Nicholas Stiffler (CPS 490)

Sep. 2023 – May 2023

- Developed a P2P messenger application from the ground up on a team of four.
- Employed NodeJS, Express, SocketIO, MongoDB, Heroku, and Git + GitHub in a collaborative team environment with AGILE/SCRUM methodologies. Utilized JIRA project management tool.

Twitter API Experimentation | Dr. Zhongmei Yao (CPS 470)

Jan. 2022 – May 2022

- Developed Python (PyCharm) programs to interact with the Twitter API, extracting and analyzing data to generate meaningful insights.
- Demonstrated proficiency in manipulating APIs for data collection and presentation.

Detecting Fake News with Machine Learning | Dr. Bayley King (CPS 349)

Jan. 2023 – May 2023

- Built a fake news classifier system using a TensorFlow nnm and other industry-standard Python libraries.
- Applied machine learning techniques to address the issue of misinformation, utilizing a Kaggle dataset.