

Joshua Masters

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Objective

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

Technical Skills

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

EDUCATION

University of Dayton | B.S. Computer Science | Dayton, OH May 2024
Concentration: Artificial Intelligence/Data Science | Minor in Music (Vocal, Guitar, and Piano)

TECHNICAL WORK EXPERIENCE

Hybrid Telework College Intern July 2023 – May 2024
Ohio Department of Transportation Columbus, OH

- Resolved user inquiries based upon AASHTOWare Project CRL 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 a secure and scalable 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.

Messenger Application | Dr. Nicholas Stiffler (CPS 490) Sep. 2023 – May 2023

- Developed a complete 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.

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 neural network model.
- Applied machine learning techniques to address the issue of misinformation, utilizing a Kaggle dataset.