Elijah Adams

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EDUCATION

Bachelor of Arts, Ohio Wesleyan University, Delaware, OH   Expected Graduation: May 2023
Majors: Computer Science and Mathematics

Leadership: Math/CS/DA Student Board, Ultimate Frisbee (Captain), Phi Gamma Delta
Hackathons: Ohio Wesleyan University (2021), Denison University (2021, 2022), Midwest Regionals (2022)

Languages:	Java • C++ • SQL • Python • HTML/CSS/JS • Lisp • Assembly • VBA
Tools:	Git • Brew • Kanban • Excel • Word • PowerPoint • VSCode • Zoho
Technologies:	Spring Boot • React • Node.js • Mongoose • TensorFlow • Keras • NumPy • Pandas
	Maven • Docker • Heroku • Vaadin

EXPERIENCE

Computer Science Student Researcher

***Ohio Wesleyan University**, Delaware, OH*   August 2022 – Present
- Developing heuristics for 5 intractable problems: Knapsack, Graph Coloring, TSP, Facility Location, Vehicle Routing.
- Benchmarked TSP approaches in published papers, including Christofides-Serdyukov algorithm and simulated annealing.

Software Implementation Intern

***Custom Rubber Corporation**, Cleveland OH*   April 2022 – August 2022
- Cleaned and migrated 50000+ records from a custom-built relational database to a **three-tiered architecture** running **Microsoft SQL Server** enhancing employee's ERP training with real data.
- Customized 10 **Mongoose** forms and reports in **Infor SyteLine ERP** for streamlining core business processes and analyzing Prophecy.IoT's integrated factory production data.
- Collaborated with internal and vendor teams using **Kanban** for tickets and **Microsoft Teams** for communication while consistently hitting deadlines 20% early.
- Attended 6 Infor **Developer** and **System Administrator** classes and studied 12 workbooks learning Infor's architecture.

Server

***The Whale Restaurant**, Fort Myers, FL*   June 2021 – August 2021
***Stray Dog Bar & Grill**, New Buffalo, MI*   June 2020 – August 2020
- Trained 2 new servers in providing excellent customer service and conflict resolution techniques.
- Enhanced customer experience with active communication resulting in 15% higher monthly drink sales.
- Worked in a fast-paced environment serving 300 patrons daily ensuring 100% accurate service.

PROJECTS

Generative Art AI
Python, TensorFlow, Keras, Pandas, NumPy, Google Colaboratory
- Collaborated with colleagues building a **CycleGAN Model** styling object images using **Python**, **TensorFlow**, and **Keras**.

www.elijahadams.me   github.com/elijah-adams/personal-website
Java, HTML/CSS/JS, Heroku, Spring Boot, Maven, Vaadin, Cloudflare
- Deployed with **Heroku** using **Spring Boot**, **Maven**, and **Vaadin** showcasing personal projects and resume.

Handwriting Recognition AI   github.com/elijah-adams/handwriting-ai
Python, TensorFlow, Keras, Pandas, NumPy, OpenCV
- Created a **deep neural network** using **Python**, **TensorFlow**, **Keras**, and MNIST digit data classifying handwritten digits.

Knapsack Visualization   github.com/elijah-adams/knapsack-stores
- Visualized knapsack algorithm based on user-inputted store locations and profitability using **Java Swing** and **Graphics**.