Kyle Park

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EDUCATION

The Ohio State University Columbus, OH
Bachelor of Science in Computer Science and Engineering, Minor in Mathematics Expected Graduation: December 2026
GPA: 3.733/4.0; Dean's List, National Buckeye Scholarship Recipient
Relevant Coursework: Artificial Intelligence, Data Structures & Algorithms, Operating Systems, Computer Networking, Database Management Systems, Discrete Structures, Low-Level Programming, Software Development & Design, Linear Algebra

WORK EXPERIENCE

HCSC, Blue Cross Blue Shield Chicago, IL
Software Development Engineer Intern June 2025 – Present
- Developing Python automation platform ingesting cohort data into MongoDB, building robust data cleaning and normalization pipelines using Pandas, reducing manual processing time of 95 hours a year and revenue costs of $52,000
- Design REST APIs using FastAPI to enable efficient querying and reporting of information across departments and regions

The Ohio State University, Department of Computer Science & Engineering Columbus, OH
Research Assistant Aug 2025 - Present
- Collaborating under Professor Wei-Lun surrounding Machine Learning, Computer Vision, and their applications in healthcare

The Ohio State University, Department of Computer Science & Engineering Columbus, OH
Teaching Assistant, CSE 1223 Sep 2024 – Present
- Assist 40+ students enrolled in Introduction to Java during lab 2 times a week, ensuring understanding of basic algorithms, data structures, and programming, providing constructive criticism for over 100 homework, labs, and project assignments
- Increased average grades of all students by ~10% from last year, demonstrating effective and efficient teaching methodologies

The Ohio State University, Department of Mathematics Columbus, OH
Research Assistant Oct 2024 – Apr 2025
- Collaborate with Dr. Sanjeevi to develop research proposals and academic papers within fields of fast algorithm and linear algebra implementation to drive towards published works, in addition to participating in the Young Mathematics Conference
- Develop and create advanced computational models for analyzing null spaces and their dynamic intersections with geometric structures of cones and wedges using Python, by utilizing frameworks and libraries including NumPy, SciPy, and Matplotlib

LEADERSHIP & INVOLVEMENT

Buckeye Vertical Columbus, OH
Machine Learning Engineer Oct 2024 – Present
- Developed and executed a C# scripts in Unity to automate the generation of 20,000+synthetic images for model training
- Utilized AWS cloud computing resources to efficiently train a YOLOv8 object detection model on generated datasets
- Trained image processing architecture, consisting of YOLO, OCR, & OpenCV achieving 95% accuracy on real data, in addition to programming high-accuracy localization algorithms to predict geospatial coordinates of vision targets for a drone

OHI/O Columbus, OH
Sponsorship Lead Sep 2024 – Present
- Network with 50+ companies each semester, raising over $115,000 throughout the year for all OHI/O events and programs
- Direct financial planning, allocating funds across all events, meetings, and club operations for over 2600+ CSE students

PROJECTS

TravelPal Columbus, OH
Team Member March 2025
- 2nd place at Make OHI/O with 70+ teams competing in a 24 hour time frame - project details surrounding AI and mobility
- Leveraged machine learning to assign traversal costs within a graph based on user impairments and terrain, using BFS to determine the most accessible path, outputting directions on an interactive C++ system integrated with Arduino hardware

SKILLS & INTERESTS

Languages: Python, Java, JavaScript, MATLAB, C, SQL, x86-64 Assembly, Visual Basic for Application
Libraries/Tools: PyTorch, React, NumPy, Matplotlib, Scikit-learn, Git, VSCode, Eclipse, Jupyter Notebook, Unity, UiPath
Interests: Triathlons, Art of Sound, Game Theory, Saxophone, Piano, Golf, Basketball, Weightlifting