Bryce Martin

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Education

The University of Kansas, Lawrence, KS   December 2026
Bachelor of Science in Computer Science
Cumulative GPA: 4.0
Relevant Coursework:

- Software Engineering I
- Programming I, II
- Data Structures and Algorithms
- Embedded Systems
- Calculus I, II, III
- Digital Logic Design

Technical Skills

Languages: Python, JavaScript, C++, HTML, CSS
Frameworks / Libraries: Tensorflow, NumPy, Pandas, Flask
Developer tools: Git, GitHub, Windows, MacOS, Windows, VS Code

Projects

AI Brain Tumor Detector   December 2024 – Present
Tech Stack: Python, Tensorflow, Flask, HTML, CSS

- Developed a web application for detecting brain tumors in MRI scans utilizing YOLOv11 for object detection.
- Achieved **92% precision** in detecting the presence of tumors after training the model.
- Built a Flask web interface for real-time tumor detection, displaying results with an intuitive front-end.

Interactive Math Visualization Platform   December 2024
Tech Stack: JavaScript, HTML Canvas, HTML, CSS

- Designed and implemented a web app that visualizes 3D rendering, Fourier series, fractals, and graphing.
- Developed real-time rendering capabilities to explore complex visual patterns and structures.

Arithmetic Expression Evaluator, University of Kansas   August 2024 – December 2024
Tech Stack: C++

- Worked with a team to Design and implement a C++ program to parse and evaluate arithmetic expressions
- Implemented key computer science concepts, such as Queues and Stacks, to handle operator precedence

Experience

Perfect Game USA, Shawnee KS   Summer 2023
Umpire

- Maintained standards of play and to ensure that the game rules are observed.
- Stayed composed and professional in high-pressure and emotionally charged situations with coaches, players, and fans.
- Consulted with the officiating team to discuss violations, coordinate responses and implement resolutions.

Awards and Honors

- **Engineering Dean's List,** Fall 2023 - Present
- **Kansas State Scholarship,** Fall 2023 - Present
- **FAS Scholarship,** Fall 2023 - Preset
- **William B Anderson Memorial Scholarship,** Fall 2023 - Present
- **William W Brown Family Scholarship,** 2024 - Present