Jackson Bean

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OBJECTIVE

To obtain a software engineering and development internship utilizing effective collaboration, problem solving, programming, and computational thinking. Open to working in front-end or back-end development.

EDUCATION

The Ohio State University   Expected Graduation: May 2026
Honors College of Engineering   Columbus, OH
B.S. Computer Science and Engineering & Mathematics   GPA: 4.00/4.00

QUALIFICATIONS

- Programming: JavaScript, TypeScript, Java, C/C++, CSS, HTML, Python, x86 Assembly
- Tools: Linux, UNIX, Microsoft Office, GDB, Makefile, Git, GitHub, Visual Studio, Xcode
- Mathematics: Data Structures & Algorithms, Statistics, Real Analysis, Calculus I-III, Linear Algebra

WORK EXPERIENCE

The Ohio State University College of Industrial & Systems Engineering   May 2024 – September 2024
Back-End Developer and Research Intern   Columbus, OH
- Worked with the Cognitive Systems Engineering Lab (CSEL) to develop contingency plans for UAMs
- Developed C++ code to run simulations that enacted parameter-determined contingency plans
- Analyzed results of simulations using Python and Pyplot Dash to create dynamic visualizations

The Ohio State University Department of Biomedical Informatics   May 2023 – August 2023
Summer Research Intern   Columbus, OH
- Collaborated with professors to research in fields such as data analysis, machine learning, and AI
- Created machine learning Python code to interpret patient data and classify outcomes accurately
- Analyzed and visualized code results using Matplotlib and presented findings at a poster session

The Ohio State University College of Arts and Sciences   August 2024 – Present
Student Instructional Associate   Columbus, OH
- Teach Business Algebra twice a week to 72 students divided into two separate sections
- Answer questions about course material in a concise, understandable, and efficient manner
- Prepare, grade, and proctor weekly quizzes and monthly exams over course content

PROJECTS

Personal Portfolio Website   July 2024 – August 2024
- Built a portfolio website from scratch using JavaScript, HTML, and CSS
- Utilized UX principles to select visuals and maximize accessibility across different devices

Fundamentals of Engineering Honors (FEH) Robot Project   February 2022 – April 2022
- Worked with three other students to construct and program a robot to complete various tasks
- Programmed the robot functionality entirely in C++ and developed informative documentation

HONORS AND ACTIVITIES

- Involved member in Ohio State's Cybersecurity and OpenSource Clubs
- Morrill Excellence Scholarship recipient
- Interest and experience in building personal desktop computers