Brody McAllister

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EDUCATION

West Virginia University, Morgantown, WV   Expected: May 2026
B.S. in Computer Science (ABET-Accredited)   Overall GPA: 3.8

RELEVANT COURSEWORK

Software Engineering, Data Structures & Algorithms, Operating Systems, Computer Architecture, Computer Networking, Secure Software Development

TECHNICAL SKILLS

Frontend: JavaScript, HTML, CSS
Backend: Java, C, Python, Flask, Node.js, Express.js
Database & Version Control: MySQL, Git, GitHub
Operating Systems: Linux (Ubuntu), Windows, macOS
Tools & Technologies: Virtualization, LLMs (ChatGPT, Claude), Selenium

PROJECTS

Screen Spotlight   November 2024
- Developed a full-stack movie review app using the Flask framework in Python with a MySQL database, implementing CRUD functionality for users to rate, review, and discover movies
- Integrated Flask's extension ecosystem to incorporate object-relational mapping (ORM) for efficient database interaction and session management to ensure application security

Blackjack JS   July 2024
- Designed and implemented a web-based Blackjack game using JavaScript
- Integrated the Deck of Cards API to implement core game logic and state management
- Leveraged HTML and CSS to create engaging visuals and provide real-time feedback through both visual and auditory cues

Daily Doodles   October 2023–December 2023
- Developed a REST API using Node.js and Express.js for a drawing-based social media app, enabling seamless front-end and back-end communication
- Designed and managed a MySQL database with encrypted user data, optimizing relationships between users, posts, and likes for efficient data retrieval
- Developed and executed automated tests using Selenium IDE, improving code quality and reducing testing time
- Led thrice-weekly SCRUM stand-up meetings as SCRUM Master, ensuring efficient team collaboration and project progress