Ryan Davis

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EDUCATION

Indiana University   Bloomington, IN
Bachelor of Arts   **May 2024**
Computer Science

Course Work: Software Systems, C and Unix Systems, Data Structures and Algorithms, Programming Languages, Introduction to Artificial Intelligence, Data Analysis and Mining

SKILLS

- OS: Linux (Debian and Ubuntu), Microsoft Windows 10/11, macOS
- Programming/Scripting Languages: Python, Bash, Java, Javascript, C
- Database: PostgreSQL, MySQL, MongoDB
- Tools: Microsoft Active Directory, Git, Github Actions, Docker

CERTIFICATIONS

CompTIA A+   **October 2024**
- Experience with desktop, mobile, and office hardware/software installation, maintenance, troubleshooting, and security
- Developed hands-on experience in diagnosing and resolving networking issues, such as connectivity problems, IP conflicts, and DNS errors
- Knowledgeable in assisting users and resolving tier 1 technical issues using ticketing systems

Google IT Automation with Python   **June 2024**
- Advanced system scripting and configuration using Python, Bash, Puppet, and Docker
- Experience deploying and troubleshooting software on local, remote, and cloud server environments

WORK EXPERIENCE

Amazon
Fulfillment Associate   **June 2021– September 2021**
- Demonstrated ability to meet consistent productivity metrics in a competitive, high pressure work-space
- Experience with self-directed work environments that require extended periods of time with little managerial oversight

SOFTWARE PROJECT EXPERIENCE

Unsupervised Machine Learning Donkey Kong Player
Python, Unity Game Engine(C#)
- Collaborated with 3 others to combine Python's PyTorch Library with Unity's Machine Learning Agent library
- Established a reward structure for and trained an unsupervised deep learning player that completed the first level with all obstacles.
- Improved model data collection and reduced level completion time by 200%

Employee Management System Web App
Python, FastAPI, MySQL, React JS, Bootstrap CSS, HTTP/HTTPS networking
- Implemented a RESTful API using Python's FastAPI library simplify employee account creation
- Created a front end user interface with React to easily allow for users to perform CRUD operations and display current employees
- Connected a MySQL database instance and used form and backend model validation to ensure employee name, email, unique id, and department/role was stored correctly