

# Jackson Alvarez

Junior Software Engineer & Data Science Enthusiast

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## PROFESSIONAL SUMMARY

Recent CS graduate with 3+ years IT automation experience in PowerShell, SCCM, and enterprise systems. Passionate about scalable applications and impactful engineering. Open to nationwide relocation.

## PROFESSIONAL EXPERIENCE

### Systems Engineer I

Mar 2023 – May 2025

Appalachian State University, Boone, NC

- Collaborated with cross-functional teams and external vendors to deliver features on time using project management tools and Agile methodologies.
- Developed PowerShell automations supporting SCCM and Azure AD across 8,000+ devices.
- Maintained 400+ software packages, reducing deployment time and inconsistencies.
- Automated system usage reports and monitoring pipelines within SCCM.
- Authored documentation and trained student developers on automation workflows.

### Computer Science Intern

May 2022 – Aug 2022

Hypermill.digital, Cornelius, NC

- Built a centralized system using GraphCRM and Retool to manage 10,000+ product SKUs for a Fortune 500 client, supporting a live data ecosystem.
- Designed software architecture with a data scientist mindset to effectively structure and manage dynamic product data.
- Improved workflow automation for marketing and support teams by streamlining repetitive tasks.

## KEY PROJECTS

### VibeCodeCLI



Python CLI assistant for code execution and testing in 10+ languages

- Built dynamic token budgeting and cost-tracking system using context modeling

### Runoff Forecasting with LSTM



Flood prediction using machine learning

- Preprocessed time-series data and trained LSTM to forecast runoff patterns

## EDUCATION

### B.S. Computer Science, Minor in Mathematics

July 2025

Appalachian State University, Boone, NC

## CORE COMPETENCIES

### Programming:

Python, JavaScript/TS, Java, C/C++/C, SQL, Rust, PHP, Haskell, MATLAB, PowerShell, Lua, R.

### Technologies:

React, Angular, Vue.js, Node.js, TensorFlow, Azure AD, Git, SCCM, Terraform, Svelte, Flask, OpenAI.

### Expertise:

Fullstack App Dev, ML/AI, Web Dev, CI/CD Automation, Mobile Dev, Game Dev.