Garrett Southam

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SUMMARY

Junior software engineer with hands-on experience developing automation tools in C# and Python for radar sensor systems. Skilled in object-oriented design, test-driven development, and data analysis. Passionate about building reliable software systems and collaborating across teams to improve performance and efficiency.

SKILLS

Programming Languages: C#, C, C++, Java, Python
Frameworks & Tools: .NET, Git, Linux
DevOps & Testing: CI/CD, Automated Testing (JUnit, Playwright)
Data Analysis & Automation: Data Analysis, Excel and VBA, Pandas/NumPy/Matplotlib

EXPERIENCE

Wavetronix   *Sep 2019 - Present*
Engineering Assistant
- Maintained radar test sites as a platform for new product testing and firmware development.
- Collaborated with software developers, engineers, and QA testers to streamline the site analysis process, resulting in dramatic improvements to the speed and detail of data feedback.
- Used internal tools for device monitoring, firmware updates, and log analysis.
- Built dashboards and visualization tools to present test data to company leadership on a weekly and monthly basis.

Wavetronix   *Sep 2017 - Jan 2020*
Production Assembler
- Assembled and tested radar sensors to meet manufacturing standards, processing hundreds of sensors daily.
- Collaborated with QA and hardware engineering teams to identify and resolve hardware issues.

EDUCATION

Brigham Young University   *Graduation Dec 2025*
B.S. in Computer Science
Coursework: C, C++, Java, Python., Data Structures, Discrete Mathematics, Web Programming, Computer Systems (C/x86), Computational Theory, Calculus, Physics.

ADDITIONAL EXPERIENCE

Pleasant Grove High School, Shakespeare Coeur d'Alene
Technical Director and Theatrical Lighting Designer
- Led technical theater teams for both student and professional performances.
- Gained hands-on experience in leadership, creative design, and technical coordination.
- Ensured smooth operation of complex systems in high-stress situations.

See the interactive version at resume.garrettsoutham.com