# Nathan Schluessler

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**EDUCATION:**

*Bachelor of Science in Computer Science at the University of Colorado Colorado Springs*

**SKILLS:**

*Languages: Java, Python, C, Assembly (x86), R (basic)*

*Tools & Frameworks: Agile software development, Ansible, Data Structures and Algorithms, Office 365, AWS, LaTex, Docker, NumPy, Django, Eggplant*

**WORK EXPERIENCE:**

*Software Engineering Intern, L3Harris Technologies, Colorado Springs*

- *Automated test procedures for the testers on my cross-discipline Integration and Test team.*
- *Used scaled agile to plan and execute our project work.*
- *Contributed to and performed demos for the government customer and team members.*

*Teacher's Assistant, Computer Science, University of Colorado at Colorado Springs*

- *Graded 300+ assignments and design notebooks for students taking Intro to Programming.*
- *Provided feedback on students' code syntax, structure, functionality, and pseudocode.*

*Lead Ranch Hand, Peyton Colorado*

- *Solved problems and found solutions to enable efficient ranch operations.*
- *Served as Team Lead by organizing employees to accomplish work.*
- *Maintained heavy equipment and managed livestock.*

**PROJECT EXPERIENCE:**

*Airbnb Simulator*

- *Designed a rental property simulator in C that interacted with both the renter and the owner.*
- *Implemented a linked list to contain properties, traversing the list for both the owner and the user.*
- *Developed the program in three different cycles, debugging and optimizing it each time.*
- *Used pointers and dynamic memory allocation.*

*Weather Website*

- *Created a weather website in Python with Django that displayed weather information.*
- *Developed 2 separate views for different pages in a website.*
- *Processed user input with a form and passed data between views with a model.*
- *Used a headless browser with selenium to web scrape the weather information for a given location.*

*Compiling in Linux*

- *Developed several Bash Linux scripts, libraries, and a make file to compile a finished executable.*
- *Created a function library to edit text tiles before they were compiled.*
- *Wrote scripts to be used by the make file for using the library functions to edit.*
- *Created a master script to use the make file and scripts to edit text files and compile the final result.*