

# Stephen Linder

## Software Engineer

770-878-0152 | [sjtlinder@icloud.com](mailto:sjtlinder@icloud.com) | [linkedin.com/in/stephen-linder-b93563261/](https://www.linkedin.com/in/stephen-linder-b93563261/) | [github.com/stephenl99](https://github.com/stephenl99)

## EDUCATION

---

### Georgia Institute of Technology

Atlanta, GA

*Computer Science and Mathematics Double-Major, Russian Minor*

*Graduating May 2026*

- GPA: 4.0
- Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Systems and Networks, Computer Organization and Programming, Objects and Design, Second Course in Linear Algebra, Introduction to AI
- Concentrations: Intelligence and Information Internetworks

## EXPERIENCE

---

### Software Engineer Intern

Atlanta, GA

*Fanduel*

*May 2025 – Aug 2025*

- Incoming Software Engineer Intern at Fanduel

### Medical Robotics Research Intern

Atlanta, GA

*Winship Cancer Institute of Emory University*

*May 2024 – Aug. 2024*

- Implementing robotic arm interface in Dr. Amir Pourmorteza's Lab
- Creating novel Python library using Test-Driven Development to segment robotic arm movement for machine learning imaging
- Developed MATLAB code to determine absolute position of robotic arm when connected to CT scanner

## PROJECTS

---

### Event-Driven Backtester | *C++, Quantitative Finance*

[Github link](#)

- Implemented a low-latency backtesting environment in C++
- Tested various trading strategies on historic datasets by generating events and simulating slippage
- Currently expanding environment to allow for live data flows and machine learning trading strategies

### Atlanta Food Finder | *Python, Django, JavaScript, HTML, CSS, SQLite, Ajax, Agile, DOM*

[Github link](#)

- Developed a full-stack web application using Django and Google Maps API
- Visualized Atlanta restaurants on Google Maps by accessing geolocation data from SQLite database
- Implemented Google Maps search capabilities to allow user interaction with restaurant data from Yelp Fusion API
- Became adept in Agile development, utilizing scrums and CI/CD

### Multithreaded Process Scheduler | *C, Posix pthreads*

- Utilized multithreading to build Linux process scheduler
- Managed CPU resources by scheduling processes on CPU cores and removing them for I/O bursts
- Optimized CPU usage by using various scheduling algorithms, including round-robin, preemptive priority scheduling, and shortest remaining time first

### Virtual Memory System | *C, Memory Management*

- Developed a virtual memory manager which mapped virtual memory pages to physical frames
- Designed page replacement algorithm to efficiently select victim frame upon page faults
- Created a daemon process to track page references and evict least recently used pages

## TECHNICAL SKILLS

---

**Languages:** C++, C, Java, Python, JavaScript, HTML, CSS, SQLite, SQL, MATLAB

**Frameworks:** Django, Node.js, Angular, ReactJS, JUnit

**Developer Tools:** Docker, Linux, Git, GitHub, GCC/GDB, IntelliJ, VS Code, PyCharm, Eclipse, Jupyter, React

**Libraries:** pthreads, SciPy, NumPy, pandas, PyTorch, Pybind11, Qiskit, Beautiful Soup