Jackson Neurauter

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EDUCATION

Georgia Institute of Technology — Atlanta, GA
Bachelor of Science in Computer Science; Dean's List (2023-); GPA: 3.70 — *May 2026*
- **Concentrations**: Intelligence; Cybersecurity and Privacy
- **Relevant Coursework**: Data Structures, Algorithm Design & Analysis, Computer Organization, Networks, Machine Learning, Computer Vision, Psychology of Cybersecurity, Information Security

EXPERIENCE

Software Engineering Intern — May 2025 – Present
Viasat – Secure Network Systems Division — *Marlborough, MA*
- Automated customer-initiated license generation and transfer processes for Inline Network Encryptors by rebuilding and integrating an internal tool with backend using Spring Framework.
- Designed an intuitive React UI that streamlined the re-licensing process into a single-step workflow.
- Eliminated Product Support involvement, saving Viasat and customers average of 15 mins per transfer.
- Presented tool enhancements and time-saving benefits to employees across HQ and 12 branches.

Software Engineering Intern — May 2024 – Aug. 2024, Dec. 2024 – Jan. 2025
Global Center for Automotive Performance Simulation — *Alton, VA*
- Unified devices and workflows into a single platform for equipment monitoring, scan processing, and data stream tracking by building web and Python-based tools with dashboards and RESTful APIs.
- Increased ease of measurement realignment and adjustment by converting input-based MATLAB scripts to interactive interfaces that update as calibrations are made.
- Implemented a CI/CD pipeline to automate testing, building, and reduce deployment time by 80%.

Hardware Engineering Intern — Feb 2023 – May 2023
Virginia Polytechnic Institute & State University (VT), Department of Computer Science — *Blacksburg, VA*
- Led team in developing a miniature implementation of proposed plans for Virginia Tech's Smart Grid.
- Enabled secure remote monitoring and control of critical systems by developing code that facilitated interaction between IoT sensors and controllers.
- Won the People's Choice Award at VT's ICAT Day by presenting the scaled Smart Grid model.

PROJECTS

Autonomous Vehicle Edge Cases and Crash Patterns | *Pandas, LLM, NLP* — Jan. 2025 – May 2025
- Analyzed 1,600+ National Highway Safety and Transportation Authority (NHTSA) crash reports to identify prevalent edge cases and crash patterns in autonomous vehicle (AV) field testing.
- Automated data extraction using LLM-based data processing with Pandas to develop taxonomies and a document-term matrix with 137 crash attributes, reducing manual review from 30 mins to 30 secs.

Atlanta Food Finder | *Python, JavaScript, Django, HTML/CSS, SQLite* — Aug. 2024 – Oct. 2024
- Leveraged Google Maps, Places, and Yelp API to display custom restaurant markers for 1,500+ Atlanta restaurants filterable by distance, rating, price, and user favorites, enhancing user search capabilities.
- Implemented user authentication and profiles to enable customization and favorite restaurants tracking.
- Collaborated in an Agile workflow with weekly sprints, feature prioritization, and feedback integration.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, C/C++, Java, Kotlin, HTML/CSS, SQL, MATLAB
- **Frameworks:** React, Redux, Spring Framework, Node.js, Django, Flask, Electron
- **Developer Tools:** Git, Azure DevOps, Linux, Docker, Perforce
- **Certifications:** Microsoft (MTA) Security, Network Fundamentals | TestOut Network, Security, PC Pro