

# Grayson Hatcher

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## Education

**Kennesaw State University** – Bachelor's in Computer Engineering

Expected: December 2025

**GPA: 3.70**

## Skills

**Languages and Libraries:** Assembly, C, C++, Python, MATLAB, VHDL, YOLO, OpenCV, PyTorch, NumPy, Pandas.

**Platforms and Tools:** AWS, LTSpice, LaTeX, KiCAD, Linux, Git/GitHub, Vivado, MS Word, MS Excel.

**Technical Skills:** Data Collection and Analysis, Calculus, ODE, Control Systems, Neural Networks, RF, PCB Design, DSP, Device Networks, FPGAs.

## Experience

**Student Research Assistant**, Kennesaw State University – Marietta, GA

May 2024 – February 2025

- Completed research funded by the **Georgia Department of Transportation**.
- Assisted in designing, implementing, and testing RF hardware techniques to mitigate V2X interference, including, Microstrip Filters and Attenuators.
- First authored an IEEE published research paper documenting our results and findings. (Southeast Con 2025)

**Shift Manager**, Your Pie – Griffin, GA

2020 – 2023

- Regularly managed a team of workers to ensure duties were handled in a proper and exceptional manner, as well as handles other managerial duties.

**Drumline Specialist**, Spalding Highschool – Griffin, GA

2021

- Trained a group of students, managed practices and performances, dealt with interpersonal conflicts.
- Served as an assistant to the director, managing the entirety of the band when necessary and other necessary tasks.

## Projects

**Automated Computer Vision Inventory Tracker (Currently Ongoing)**

- Developed a POC, including functioning object recognition model capable of tracking physical location and adjusting inventory count accordingly.
- Serving as Project Manager for a team of four, working on development of an app, cloud database, necessary hardware, and further AI improvement.
- Worked alongside a KSU Business student to pitch to the KSU Entrepreneurship center for funding (Currently pending).

**Two Chairs on Organizational Committee for EAI International Conference 2025 (Currently Ongoing)**

- Managing web and social media presence of the upcoming EAI INTSYS Conference for 2025.
- Will serve as the main Point of Contact for authors once publication decisions are finalized.

**Presentation and Publication of Multiple Research Papers**

- Presentation of First-Authored Paper at IEEE Southeast Con 2025 (Published).
- Presentation of Co-Authored Paper at EAI Intelligent Transportation Systems Conference 2024 (Published).
- Co-Authored Paper, presented by a peer at IEEE Opportunity Research Scholars Symposium 2025 (Published).