

# Jack R. Keller

Atlanta, GA | (+1) 920-915-9248 | jackrobert0627@outlook.com | [www.linkedin.com/in/jack-robert-keller](https://www.linkedin.com/in/jack-robert-keller)

## Education

**Georgia Institute of Technology** | Atlanta, GA

**Master of Science (M.S.), Computer Science—GPA: 4.0**

January – December 2025

Specialization: Modeling & Simulation

**Bachelor of Science (B.S.), Computer Science—GPA: 4.0**

August 2021 – December 2024

Concentrations: Intelligence (AI), Modeling & Simulation | Minor: Sustainable Cities

**Key Coursework:** Data Structures & Algorithms, Machine Learning, Computer Vision, Simulations, Systems & Networks, HPC

## Experience

### Honeywell

**Software Engineer Intern** | Atlanta, GA

May 2025 – Present

- Developing a PLC emulator in C# to integrate with Process Training Simulator software, improving industrial operations.

**Future IT Leaders Intern (GenAI)** | Charlotte, NC

May – August 2024

- Spearheaded the design and development of a Generative AI POC leveraging OpenAI APIs, RAG, and prompt engineering.
- Generated \$107k annually by integrating ServiceNow, GitHub Actions, and REST APIs to automate VM deployment.
- Collaborated with key business stakeholders to gather and refine POC requirements, employing an Agile methodology.
- Selected to emcee the final intern presentations to IT leadership.

**J. J. Keller & Associates, Inc. (2,000+ employees)** | Neenah, WI

May – August 2023

**Developer Intern**

- Generated \$500k in first-year revenue by delivering a customer-facing MVP on an Agile team of 5 developers.
- Wrote 33% of the backend code for the MVP by developing Azure Function APIs in C# and ReactJS, utilizingDDD.
- Saved roughly 10 hours of labor per website release by developing RPA testing processes using UiPath.

**Teaching Assistant (Graduate & Undergraduate)** | Georgia Tech—Atlanta, GA

August 2023 – Present

**Honors Algorithms, Computer Organization & Programming**

- Co-led Honors Algorithms: designed homeworks and a project, guided students through problem solving and proofs.
- Taught computer architecture concepts including digital logic, assembly, and C, across weekly labs and office hours.

**Puerto Rico Planning Studio** | Atlanta, GA | San Juan, PR

January – May 2024

**Undergraduate Student Researcher**

- Conducted post-disaster reconstruction research in PR, utilizing R and GIS mapping tools to analyze construction trends.
- Collaborated with the Center for a New Economy; presented findings at the 2024 Georgia Tech Sustainability Showcase.
- Interviewed government agencies and non-profits to understand local issues while conducting fieldwork in San Juan, PR.

## Projects

**Battle of Kapyong Defense Simulation**

January – May 2025

- Built an agent-based model to analyze terrain-weapon tradeoffs; presented to professors, generals, and govt. officials.

**Car Image Classification**

January - May 2024

- Applied machine learning techniques (CNN, PCA) to detect car models from images, achieving roughly 88% accuracy.

**Campus Discovery Portal**

August - December 2022

- Developed a web portal from scratch using ReactJS, Java Spring Boot, and the Scrum development lifecycle.

## Skills

**Programming:** Python, C, C#, C++/MPI, PyTorch, TensorFlow, NumPy, Pandas, JavaScript, ReactJS, React Native, Java, SQL, R

**Software:** REST APIs, OpenAI APIs, Git/GitHub, Docker, UiPath, .NET, Azure Functions/DevOps, ServiceNow, GIS

**Communication:** Software demos, lecturing (50+ students), presentations to stakeholders, daily standups, sprint planning

## Leadership & Activities

- Reformed University Fellowship (RUF):** Led a Bible study for students at Georgia Tech (3+ years).
- Robotic Musicianship Lab:** Led a small team of students to develop a Python UI for a guitar-playing robot.
- Boys & Girls Brigade:** Volunteer yearly at a leadership-building youth summer camp.
- Hobbies:** Violin (WI State Honors Orchestra), Running (high school XC captain), Tennis (high school varsity).