James Grant

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Education

Stevens Institute of Technology, Hoboken, NJ   Expected May 2026
Bachelor of Engineering in Software Engineering
Minor in Computer Science
GPA: 3.8 | **Awards**: Dean's List, Edwin A. Stevens Scholarship, Pinnacle Scholar
Related Coursework: Data Mining and Applied Machine Learning, Data Structures, Discrete Mathematics, Object Oriented Software Engineering, Logistics and Supply Chain Management

Skills

Programming & Software: Java, Python, HTML/CSS, JavaScript (React.js, Node.js), C/C++, SQL (MySQL, PostgreSQL)
Tools & Frameworks: Jupyter Notebook, MATLAB, Simulink, Linux, Docker, Adobe Suite, SolidWorks
Hardware: Circuit assembly, Oscilloscope, Amplifier/Filter manufacture

Projects

- **Pathfinding Robot** – Implemented a pathfinding algorithm using C++ to a robot designed with CAD enabling autonomous maze navigation with high accuracy.
- **Exchange4Students Web Application** – Utilized the MERN TechStack to create an Item exchange application for Stevens students, incorporating authentication, buy requests, and filtered search features.

Experience

SSE Research - Stevens Institute of Technology   May 2025 – Aug 2025
Pinnacle Undergraduate Research Assistant
- Assisted in the development of an **AI-powered** software refactoring tool using Python.
- Built and maintained a **dataset of 300+ real-world Java test cases**, including automated reporting and validation.
- Verified tool functionality by integrating with **Maven** and **Gradle** testing frameworks.

SPARK Labs – Stevens Institute of Technology   May 2024 – Sep 2024
Pinnacle Undergraduate Research Assistant
- Conducted **research with ChatGPT** to study the habits of programmers when refactoring their own code, analyzing **200+ data points** for usability patterns.
- Co-authored a research paper (submitted ESWA) and developed a website to share findings.

Leadership

Chi Phi Fraternity Mu Chapter, Hoboken, NJ   January 2025 – Present
President
- Manage day-to-day operations of $4M property in Hoboken, NJ.
- Organize and execute large-scale philanthropy events through the property to raise money for charity.
- Coordinate communication between 40+ members, university staff, and national fraternity leadership.