

# James Grant

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## Education

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**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, Algorithms, Object Oriented Software Engineering, DevOps Principles and Practices

## Skills

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**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

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- **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

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**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

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**Chi Phi Fraternity Mu Chapter**, Hoboken, NJ

January 2025 – Dec 2025

*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.