

Kevin Hyun

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PROFESSIONAL SUMMARY

Motivated Computer Engineering undergraduate seeking a **Summer/Spring 2026 Engineering Co-op** in **Computer Engineering** or a related field such as **Embedded Systems, Applications Engineering, Quality Engineering, or Manufacturing Support**. Skilled in applying hands-on experience in testing, production support, and process optimization in fast-paced, team-driven environments. Eager to contribute technical knowledge and problem-solving skills to engineering projects that drive innovation, efficiency, and quality.

EDUCATION

Stevens Institute of Technology | *Hoboken, NJ*

Expected May 2029

Bachelor of Engineering in Computer Engineering

GPA: 3.22/4.00 | **Awards:** FIRST Judge's Award, 2024 Dean's List, Edwin A. Stevens Scholarship

Coursework: Circuits, Algorithms, Software Engineering, Discrete Math, Statics, Control Systems, etc.

WORK EXPERIENCE

Extern - Amazon Fulfillment Center | *Remote*

Dec 2025 – Current

Internship

- Drove end-to-end analysis of **2,600+** employee voice data using a Python-based sentiment analysis model, uncovering key attrition drivers and operational friction points.
- Improved model runtime by **13%**, reducing average processing time from a minute to 8.0s per data set.
- Delivered insight-driven reports with actionable recommendations simulating internal strategy deliverables.

Laboratory For Multi-Scale Imaging Internship | *Hoboken, NJ*

May 2025 – August 2025

Laboratory Internship

- Programmed a Monte Carlo electron simulation graph, improving kV dosage accuracy by **24%**
- Assisted with **fabrication**, calibration, and **quality control** of micro-hydrogel lab samples.
- Led peer reviews, presented findings to Army engineers at Picatinny Arsenal with satisfied feedback

ENGINEERING PROJECTS

LIDAR-Based Autonomous Boat | *Hoboken, NJ*

Jan 2025 – May 2025

- Built a real-time navigation system using LIDAR and GIS flow modeling, improving route reliability by **26%**.
- Created **SolidWorks drawings** for fabrication; performed buoyancy, vibration, and **validation testing**.

IOT-Based Smart-Water Planter | *Hoboken, NJ*

Sep 2024 – Dec 2024

- Engineered an **Arduino-based irrigation system** with feedback loops, doubling soil moisture consistency.
- Calibrated sensors and integrated MQTT protocols for real-time monitoring and automation.

LEADERSHIP & INVOLVEMENT

Castle Point Convention | Head Community Manager | *Hoboken, NJ*

Sep 2025 – Current

- Led social media for 5,000+ attendee convention; increased ticket sales by 15% from the previous year

American Institute of Chemical Engineers | Treasurer | *Hoboken, NJ*

Mar 2025 – Oct 2025

- Managed \$6,200 budget, financial tracking, and logistics for 20+ national conference attendees.

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C++, Node.js, React, HTML, Javascript/Typescript, C#, CSS

Tools: SolidWorks, GitHub, Excel, Microcontrollers, Arduino

Skills: Manufacturing support, production support, assembly, troubleshooting, test & validation, quality assurance, simulation, root-cause analysis, technical documentation, electronics