

LILY A. STONE

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SUMMARY

Computer Engineering student at Stevens Institute of Technology, GPA 3.988, graduating May 2027, with an artificial intelligence concentration and a record of shipping software end to end. Founded Amplify and took it from concept to a live iOS release on the Apple App Store, designing the recommendation algorithm behind it. Strong foundation in algorithms, probability and statistics, and machine learning, plus low level hardware and embedded systems.

EDUCATION

Stevens Institute of Technology, Hoboken, NJ

May 2027

B.E. Computer Engineering, Concentration in Artificial Intelligence | GPA: 3.988 / 4.0

Honors: Presidential, Edwin A. Stevens, and Martha Bayard Stevens Scholarships; Tau Beta Pi Engineering Honor Society; IEEE-Eta Kappa Nu; Gear and Triangle Service Honor Society; iSTEM@Stevens Program for Innovators

Relevant Coursework: Applied Machine Learning [graduate level], Introduction to AI Engineering [in progress], Computational Data Structures and Algorithms, Probability and Statistics with Data Science Applications, Modeling and Simulation, Digital System Design, Microprocessor Systems, Image Processing and Coding, Discrete Mathematics

TECHNICAL SKILLS

Languages: Python, C++, VHDL

AI and Machine Learning: LLM application development, prompt engineering, model evaluation, algorithm design, REST API integration

Tools and Platforms: Git and GitHub, Claude, Cursor, GitHub Copilot, Xcode, App Store Connect, MATLAB, Vivado, OMNeT++, SolidWorks

Hardware and Embedded: Digital logic design, microprocessor systems, FPGA development, Arduino, circuit design

EXPERIENCE

Quilt AI | Intern

July 2026 - Aug 2026

- Built AI prototypes and ran rapid experiments to validate new product concepts and model driven features, turning open ended ideas into working software on short cycles.
- Partnered with design and product on early concepts, translating them into functional prototypes and user facing experiences that could be tested with real users.

Kodely | Incoming STEM Instructor, Chemistry

Fall 2026

- Selected to teach a hands on elementary chemistry enrichment course for Kodely, a K-12 enrichment provider serving 20,000+ students across 100+ schools and districts nationwide.

Stevens Institute of Technology | Student Grader, CPE 390, and Student Ambassador

Nov 2023 - Present

- Grade assignments and exams for an upper level embedded systems course spanning microprocessor design, digital systems, and hardware software integration, with detailed written feedback.
- Represent Stevens in admissions and recruitment, lead VIP campus visits, and designed a new Coffee Chat program to improve admitted student engagement.

Planet Bravo | Instructor and Counselor

June 2019 - Aug 2023

- Taught introductory programming, game design, and creative computing to groups of 10 to 15 students across five summers, emphasizing problem solving and coding fundamentals.

PROJECTS

Amplifyfly | Founder and Developer | amplifyfly.me

Jan 2024 - Present

- Shipped Amplifyfly Lite, the first public release, now live on the Apple App Store, owning the product end to end from concept through launch and early user acquisition.
- Designed and implemented the core recommendation algorithm, which models distinct daily brain states and maps a user's self reported state to specific, intentional actions rather than generic advice.
- Used Claude, Cursor, and GitHub Copilot daily to prototype and ship features, validating model output for accuracy and reliability before anything reached users.
- Won 1st place in an industry investor pitch competition and secured a \$7,000 grant to fund continued development.
- Selected as one of two student inventors to present to an audience of 2,000+ employees at Prudential Financial.

Galaga Arcade Emulator | VHDL, NEXYS A7 100T FPGA

Sept 2025 - Dec 2025

- Built a fully playable Galaga emulator in VHDL, recreating core gameplay and original style graphics on FPGA hardware.
- Designed the end to end hardware architecture from low level logic modules through real time video output and sprite based rendering, then debugged and deployed on physical hardware.

LEADERSHIP AND ACTIVITIES

Order of Omega Honor Society | President and Leadership Chair, Jan 2024 to Present. Lead the executive board and member engagement programming.

Khoda Honor Society | Sergeant at Arms, May 2025 to Present. Selective honor society dedicated to service and campus improvement.

Sigma Delta Tau Sorority | Multiple leadership roles, 2022 to Present. Planned chapter programming from DEI education to CPR training.

Stevens Student Government | Senator and Event Planning Committee Chair, 2022. Led planning of campus wide student events.