

Lauren Pak

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EDUCATION

Princeton University

B.A. Computer Science, Minor in Statistics & Machine Learning

May 2027

Princeton, NJ

Coursework: Computer Graphics, Software Engineering, Data Structures and Algorithms, Systems Programming, Machine Learning, Computer Architecture, Data Science, Linear Algebra, Graphic Design

Activities: Movies Committee Chair, Princeton Pictures (Film Crew), Women in CS (Mentorship Chair)

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, R, HTML/CSS, GLSL

Frameworks/Tools: React, React Native, Node.js, Flask, Django, Pandas, Three.js, Blender, Git, Figma

EXPERIENCE & LEADERSHIP

Aspiritech

Software Engineer Intern

May 2025 – Aug. 2025

San Francisco, CA

- Enhanced security auditing by developing a misconfiguration auditing tool that scans all files, applies whitelist exceptions, generates structured reports dynamically flagging unauthenticated sharing and external users, and triggers automated email alerts using Python, Google Cloud, and Google APIs.
- Upgraded workflow automation to post real-time Amazon Business order details to organization's Slack channel using Slack Web/Events API and webhooks.

Kode With Klossy

Program Design Intern

May 2025 – Aug. 2025

Remote

- Led flagship "Data Storytelling" alumni coding program with Bloomberg and BWDC by developing a new technical curriculum on Svelte, JavaScript, and Python, resulting in an 85% user engagement rate (an increase in rate by 30%) and securing 2 new partnerships with Infosys and Goldman Sachs.
- Taught web development (HTML/CSS, JavaScript, UI/UX design) and data science (Python, SQL) for one of the top global coding camps educating 10K+ female scholars.

Business Today

Technology Director

Mar. 2024 – Present

Princeton, NJ

- Increased attendance logging accuracy and simplified logistics for the 51st International Conference, the largest national undergraduate business conference, by leading the development of a full-stack cross-platform mobile application using React Native, TypeScript, and JavaScript.
- App features include a QR-based check-in system automating the conference's attendance tracking process and logging scans in real time, and attendees' personalized schedules that dynamically update.

The Daily Princetonian

Head Web Development Editor

Sep. 2023 – Dec. 2025

Princeton, NJ

- Led the team's design and development of interactive web articles and software maintenance for the school newspaper, The Daily Princetonian, and its 50K weekly readers.
- Won first, second, and third place with the team for NJPF's College Newspaper Contest.

PROJECTS

TigerHome | *Python, Flask, Jinja2, PostgreSQL, jQuery, Bootstrap, Render*

Mar. 2025 – May 2025

- Developed a full-stack web application to help Princeton students find summer roommates and housing securely and effectively through user authentication, personal profile customization, a table and map view of other users, connection requests to/from others, and exchanging contacts if mutually connected.
- Designed the wireframe, constructed the database and data schema (PostgreSQL, SQLAlchemy), implemented the program with APIs (Google Maps, Cloudinary), and held internal/external testing.

Triathlon Mania | *JavaScript, Three.js, GLSL*

Nov. 2025

- Built an infinite runner game and its character modeling, rigging, and animations (run, swim, bike), changing landscapes, obstacle collisions, and computer graphics. (Best Overall Runner-Up Award)