

# Lauren Pak

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## EDUCATION

### Princeton University

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

May 2027

Princeton, NJ

**Coursework:** Data Structures and Algorithms, Advanced Programming (Software Engineering), Systems Programming, Machine Learning, Computer Graphics, Computer Architecture, Discrete Math, Data Science

**Activities:** TigerApps (UI/UX Designer), Women in CS (Mentorship Chair), Movies Committee Chair

## TECHNICAL SKILLS

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

**Frameworks/Tools:** React, React Native, Node.js, Flask, Django, Pandas, NumPy, Svelte, Git, Figma

## EXPERIENCE & LEADERSHIP

### Aspiritech

Software Engineer Intern

May 2025 – Aug 2025

San Francisco, CA

- Enhanced IT auditing and domain security by developing a misconfiguration auditor to scan all files, process whitelist exceptions, generate access reports flagging unauthenticated sharing and external users, and automate email notifications using Python, Google Cloud, and Google Drive/Sheets API.
- 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

Product Design Intern

May 2025 – Aug 2025

Remote

- Remodeled and led flagship alumni coding program with Bloomberg and BWDC by developing a new scrollytelling technical curriculum using Svelte and JavaScript, resulting in an 85% user engagement rate (an increase in rate by 30%) and securing 2 new partnerships with Infosys and Goldman Sachs.
- Spearheaded alumni initiatives and upgraded the general technical curriculum (web development, AI/ML, data science) 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 cross-platform, multifunctional mobile app using React Native, TypeScript, and JavaScript.
- App features include a QR code 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 – Present

Princeton, NJ

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

### Project Edson | R, Shiny

Jun. 2024

- Collected and analyzed data detailing all FIFA World Cup 2022 goals and used the data to develop an interactive web app of every game-by-game summary. (Posit Table Contest '24 Winner)