Lilu Kaufman

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Entry-level software developer with experience in art and design looking to gain experience in full-stack programming.

EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE (RPI) — Troy, NY

Bachelor of Computer Science & of Information Technologies and Web Sciences — Expected June 2027

Cumulative GPA: 4.0/4.0

Relevant Coursework: Data Structures, Computer Science 1, Introduction to Information Technologies and Web Sciences, Physics 1, Calculus 1 & 2, Discrete Mathematics, Intro to Biology, Web Systems

EXPERIENCE

SOAPBOX HOSTING LLC — Remote

Software Engineer Internship — May 2024 - August 2024

- Implemented and preserved Soapbox's podcast hosting software and web application.
- Created customer facing features using the Astro JS platform, managed database schema and migrations using Prisma ORM, and applied background workers that uploaded content to cloud storage.

ALERTGY — Remote

Software Engineer Internship — September 2024 - Present

- Developed and maintained software tools to streamline laboratory testing of non-invasive glucometer technology.
- Organized and engineered informatic data structures via Python, created AI dataframes utilized with deep learning neural networks via AI content libraries (Tensor Flow, SKLearn), preserved database schemas and extensive test result content via Firebase DB, and designed UX for user-facing features via Procreate and Figma.

PROJECTS

HELP HER STEM — January 2024 - Present

- Designed and implemented an anonymous advice forum for underrepresented gender minorities in STEM using vanilla HTML and CSS, Balsamiq mock-ups, and dynamic JSON file reading/writing.

LETHAL COMPANY OPEN SOURCE (LCOS) — January 2024 - May 2024

- Created custom modifications for the popular video game "Lethal Company." Designed UX used by the overall open-source community via Procreate, introduced new mechanics, and expanded the game's visual content via Blender 3D Modeling.

CENTTRACK — November 2024

- Designed and implemented educational financial tracker and budgeter application with a 4-person team using React Native in a 24+ hour hackathon (awarded prize for best app development).

ACTIVITIES

HACK RPI — Troy, NY

Organizer/Volunteer — August 2023 - Present

- Helped organize a hackathon totaling 500+ attendees in the culmination of one year of planning; organized day-of-logistics and contributed to UX design. Volunteered for 24+ hours.

UNION PROGRAMMING ACTIVITIES COMMITTEE (UPAC) — Troy, NY

Concerts Division Treasurer/Volunteer — August 2023 – Present

- Provided the RPI community with quality music acts ranging from nationally touring performers to local bands; managed concert's division budget of 100k+. Volunteered for 12+ events, 6+ hours each.

SKILLS

Technical Skills: Prisma ORM, Firebase, TypeScript, Tensor Flow, SKLearn, Astro JS, React Native, Python, Java, C++, HTML/CSS, JS, Procreate, FireAlpaca, Paint Tool Sai, Canva, MS Office.

Soft Skills: Public Speaking, Active Listening, Adaptability, Conflict Resolution, Communication, Collaboration.