# Leane Ying

📞 +1 425 281 9438   ✉ leaneying23@gmail.com   📍 Seattle, WA   in Leane Ying   ⌨ leaneying

## Education

**BS** **Cornell University College of Engineering**, Computer Science — Aug. 2022 - May 2026
- GPA: 3.67/4.00
- **Coursework:** Object Oriented Programming and Data Structures, Functional Programming, Analysis of Algorithms, Computer System Organization + Programming, Language and Information, Computer Vision

## Skills

**Languages:** Java, JavaScript/TypeScript, Python, C, C++, C#, HTML/CSS/SCSS, RISC-V Assembly, SQL, OCaml
**Frameworks and libraries:** Next.js, Tailwind, Bootstrap, React, Node.js, Express.js, Fuse.js, NumPy, pandas, OpenCV
**Tools:** Firebase, GitHub, Linux, Docker, MongoDB, Prisma, MSAL, Redis, REST APIs, Jira, Vercel, Amazon Web Services

## Work Experience

**Software Engineer Intern, Backend** | Bumpups — TX, USA / Jan. - Apr. 2025
- Integrated AI APIs to optimize video processing for image and text. Implemented pre-processing with stemming to shorten transcripts by 50%. Collaborated with cross-functional teams to ensure seamless integration and alignment with project objectives.
- Tech stack: Python, Firebase, Jira, GitHub, Postman

**Software Developer** | Hack4Impact — NY, USA / Sept. - Dec. 2023
- Developed a multi-platform data visualization website for **The WASH foundation**.
  - Analyzed and visualized data from fog nets installed in Lima, Peru, to identify patterns in water collection. Developed data processing pipelines and interactive dashboards, enabling stakeholders to make data-driven decisions. Worked across the full stack, focusing on frontend development for data visualization and implementing secure user authentication systems.
  - Tech Stack: Javascript/Typescript, Docker, React, Figma, Node.js, GitHub
- Developed and deployed platform for **The OKB Hope Foundation**. — Jan. - Aug. 2024
  - Built for patients to book appointments and connect with psychiatrists via integrated video calling. Implemented algorithm-driven scheduling to optimize appointment availability. Worked across the full stack, focusing on backend for user authentication, sign-up/login flows, and cloud messaging.
  - Tech stack: Javascript/Typescript, Firebase, React, Figma, Node.js, GitHub
- Developed and deployed website for **Ithaca Community Recovery** — Aug. 2024 - now
  - Developed internal tooling and automation to streamline the event and meeting setup process, reducing manual overhead by 30%. Built dynamic calendar dashboards and optimized meeting scheduling systems. Implemented continuous deployment with Vercel for rapid updates and seamless delivery.
  - Tech stack: Javascript/Typescript, React, Figma, GitHub, Next.js, MongoDB, Prisma, MSAL, Vercel

**Teaching Assistant** | Cornell Bowers CIS — NY, USA / Aug. 2024 - now
- Worked for CS1112: Introduction to Computing: An Engineering and Science Perspective. Hosted weekly discussion sections, teaching core concepts to 30+ students, and conducted weekly office hours, providing hands-on support for 200+ students. Taught problem-solving in Python through the systematic development of algorithms. Graded and provided feedback for exams, exercises, and projects.

## Projects

**OScrabble Command Line Game** — Aug. - Dec. 2023
- Developed adaptation to board game *Scrabble* in Functional OCaml. 1200+ lines with 95% line coverage with 100+ test cases. Played in terminal (pass & play), either single or multiplayer, easy/hard mode, automatic scoring, and board UI
- Tech Stack: OCaml, VS Code, Github, SCRUM framework.

**Movie Recommender Website** — Jan. - May 2022
- Developed a website allowing users to rate movies, save favorites, and specify preferences. Designed a recommendation algorithm that analyzes user preferences and saved favorites to generate a personalized list of recommendations.
- Tech Stack: HTML, CSS, JavaScript, Adobe DreamWeaver, SCRUM framework.