

Simone Liu

Senior Software Engineer



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<https://simoneliu.me>



Pittsburgh, Pennsylvania

TECHNICAL SKILLS

- **Front End:** JavaScript, TypeScript, Vue, React, Tailwind, HTML, CSS
- **Back End:** Python (Django, Celery)
- **Cloud Platforms:** Google Cloud Platform (GCP), Microsoft Azure
- **Testing:** Playwright
- **Databases:** PostgreSQL, MongoDB
- **Infrastructure & Tools:** Terraform, Git, Agile, Jira, Chrome extension development

WORK EXPERIENCE

07/2021 – Present *Reprise – Fully Remote*

Senior Software Engineer

- **Cloud Migration & Infrastructure:** Lead the full-scale migration of customer databases from on-premise PostgreSQL to GCP and Azure, improving scalability, reliability, and performance.
- **Technical Leadership:** Lead engineer for one of the company's three core products, overseeing development, scalability, and feature delivery.
- **Mentorship & Hiring:** Mentor and guide junior engineers through code reviews, technical discussions, and onboarding, reinforcing best practices.
- **Cross-Team Collaboration:** Collaborate with product, DevOps, design team and stakeholders to align technical decisions with business needs.

Software Engineer II

- **Built and maintained** platform features using Vue, TypeScript, Django, and PostgreSQL, ensuring stability and performance.
- **Led** multiple epics from proof of concept to production, handling implementation, testing, and post-launch support.
- **Worked** in Agile teams to define acceptance criteria, break down technical requirements, and optimize workflows.

01/2020 – 06/2021 *Robomatter – Pittsburgh, PA*

Staff Software Engineer

- Developed VEXcode VR (<https://vr.vex.com>), a user-friendly web application using React, JavaScript, and Agile methodologies, benefiting over 1 million students and users across 160+ countries.
- Developed and maintained VEXcode IQ and V5, a versatile single-source application deployed on multiple platforms (web and mobile)
- Designed and implemented a Python command system for VEXcode VR.

01/2019 – 12/2019 *Management Science Associates (MSA) – Pittsburgh, PA*

Software Developer I

- Built new features in PHP & JavaScript to track user health metrics (steps, nutrition, heart rate).
- Designed a data retrieval pipeline using MongoDB and PHP for optimized performance.
- Integrated Google API to sync health data from Android devices and smartwatches.

EDUCATION

01/2016 – 05/2018 **Computer Science**

University of North Carolina at Wilmington - Bachelor of Science

Finished a 4-year degree within 2.5 years (Cum Laude, Dean's List)