SIYOUNG (LUCY) LEE

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EDUCATION

Honours Bachelor of Arts Sep. 2024 - Apr. 2028
Major in New Media (Student Representative), Minors in Statistics and Economics
University of Toronto Scarborough *Toronto, ON*
Awards: U of T International Scholar Award ($100K) / Certificates: Google UX Design Certificate (In Progress)

PROJECTS

UofT Pathfinder: Academic Decision-Support Platform May 2026 - Present
UI/UX Lead & Frontend Developer

- Led and designed an interactive prototype in **Figma** with 2 peer designers.
- Mapped out 20+ course prerequisite paths and a 6-state course status system (Completed, In Progress, Planned, Available, Locked, Excluded) to simplify academic planning.
- Built the student authentication and onboarding flow in VS Code with **Supabase Auth**, supported by **Claude** for accelerated logic implementation and route protection.
- Designed a peer mentoring flow with privacy controls, keeping contact info hidden until requests are accepted to reduce outreach friction.

Roomie Receipts: Shared Living Expense Manager Live Demo Nov. 2025 - Nov. 2026
UI/UX Designer & Frontend Developer

- Designed and shipped a no-login bill-splitting web app (**React**, **Cloudflare Pages**) that roommates used to split real groceries, furniture and trips.
- Audited v1 against **WCAG 2.2** a year later and redesigned it: new type system, AA colour contrast (e.g. 1.8:1 → 9.9:1), and mobile layouts, raising **Lighthouse** accessibility from 88–96 to 100 on every screen.
- Found and fixed money-accuracy bugs (lost cents, totals never saved) with integer-cent math, a visible leftover-cent choice and server-side sum checks, so every split adds up exactly.
- Secured shared receipts without adding logins using **Supabase** Row Level Security and single-receipt Postgres functions, with a plain-language privacy note on the share screen.

EXPERIENCE & LEADERSHIP

AKCSE (Association of Korean-Canadian Scientists and Engineers) May 2025 - Present
Product Development Co-Director (Apr 2026 - Present)
Programming Executive (May 2025 - Apr 2026) *akcseuoft.ca* *Toronto, ON*

- Co-direct 5 developers and designers building "UofT Pathfinder," running weekly sprints and setting product roadmaps from MVP to release.
- Designed a scalable **Figma** design system with reusable components and tokens to make handoff smoother and faster between design mockups and frontend code.
- Developed and deployed the official chapter website using **Next.js** and **Tailwind CSS** with a responsive, accessible interface.
- Connected **Supabase** and the **Google Calendar API** to automate event scheduling, saving the executive team hours of manual updates.

SKILLS

Design & Research: Figma, Adobe CC, Prototyping, Design Systems, Usability Testing, WCAG 2.2 Audits
Frontend: React (Vite), Next.js, TypeScript, JavaScript, Tailwind CSS, Supabase (Postgres, RLS), Git, HTML/CSS
AI-Assisted Workflow: Claude, Gemini, AI-Assisted Prototyping & Code Debugging
Data & Domain: Financial UX, Behavioral Economics, Data Visualization, Quantitative Analysis (R, Python)