

# Owen Cooke

415-410-0316 | [owencooke15@gmail.com](mailto:owencooke15@gmail.com) | [linkedin.com/in/owenscooke](https://linkedin.com/in/owenscooke) | [github.com/owencooke](https://github.com/owencooke)

## EDUCATION

<b>University of Alberta</b>	Sep 2020 – Jun 2025
<i>Bachelor of Science in Computer Engineering Co-op – Software Option</i>	3.96 GPA
<ul style="list-style-type: none"><li>• Scholarships: Superior Undergraduate Achievement (2022-24), Jason Lang (2021-23)</li><li>• Coursework: Data Structures, Algorithms, Operating Systems, Databases, Data Analysis and Machine Learning</li></ul>	

## TECHNICAL SKILLS

**Programming Languages:** TypeScript, JavaScript, Java, Python, HTML/CSS, SQL C/C++, Rust  
**Frameworks & Tools:** React, Node, Spring, Expo, PostgreSQL, Jest, JUnit, Playwright, AWS, Kibana, Docker, Git

## EXPERIENCE

<b>NimbleRx</b>	Sep 2025 – Present
<i>Software Engineer</i>	Redwood City, CA
<ul style="list-style-type: none"><li>• Designing and implementing Spring services and React features to deliver product enhancements for pharmacists.</li><li>• Investigating production issues via Kibana log and SQL analysis and resolving, reducing pharmacy pain points.</li></ul>	
<b>NimbleRx</b>	Sep 2024 – Dec 2024
<i>Software Engineer Intern</i>	Redwood City, CA
<ul style="list-style-type: none"><li>• Created an audit tool for downloading Stripe transactions using React, unblocking the launch of <b>85</b> pharmacies.</li><li>• Refactored REST APIs and frontend flows to eliminate <b>85,000</b> improper 404 errors/day, improving observability.</li><li>• Optimized Amazon S3 integrations via Spring and AWS SDK, reducing file upload time by <b>30%</b> platform-wide.</li></ul>	
<b>RBC Royal Bank</b>	May 2024 – Aug 2024
<i>Software Developer Intern</i>	Toronto, ON
<ul style="list-style-type: none"><li>• Filed a patent for an LLM transcription tool to automate incident documentation for more intelligent IT insights.</li><li>• Built real-time incident resolution tracking with WebSockets and MongoDB to visualize SRE response timelines.</li></ul>	
<b>ATB Financial</b>	May 2023 – Aug 2023
<i>Software Developer Intern</i>	Edmonton, AB
<ul style="list-style-type: none"><li>• Wrote APIs for managing site banners with Node and Postgres, eliminating weekly manual code deployments.</li><li>• Implemented an internal React tool for improved banner UX via scheduling, emergency override, and history logs.</li></ul>	
<b>SMART LAB</b>	May 2022 – Apr 2023
<i>Software Research Assistant</i>	Edmonton, AB
<ul style="list-style-type: none"><li>• Built a 3D app in Python to integrate with a simulated robotic cell for visualizing automated wear repair of pipes.</li><li>• Published an IEEE paper proposing a new 3D-scan feature extraction algorithm for re-manufacturing automation.</li><li>• Developed a desktop app via Python and Qt for detecting 3D print defects from 3D scans to improve part quality.</li></ul>	

## PROJECTS

<b>Memento</b>   <i>React Native, FastAPI, PostgreSQL, Google Cloud</i>	Jan 2025 – Apr 2025
<ul style="list-style-type: none"><li>• Created a mobile app to easily preserve keepsakes with image metadata, classification, and background removal.</li></ul>	
<b>What to Code</b>   <i>Next.js, PostgreSQL, LangChain, OpenAI</i>	Jun 2024 – Dec 2024
<ul style="list-style-type: none"><li>• Launched an LLM-powered platform to help coders brainstorm ideas and kickstart repositories via GitHub's API.</li></ul>	
<b>MobilityMate</b>   <i>React, Flask, OpenAI</i>	Jan 2024
<ul style="list-style-type: none"><li>• Implemented an AI voice assistant to support senior physiotherapy patients through their exercises.</li><li>• Won 1st Place for the Diversity in Engineering Prize at HackED 2024 for promoting accessibility.</li></ul>	

## VOLUNTEERING

<b>Western Engineering Competition 2026</b>	May 2025 – Sep 2025
<ul style="list-style-type: none"><li>• Designed challenge prompt, rubric, and presentation materials as co-director of programming category.</li></ul>	
<b>Computer Engineering Club</b>	Sep 2023 – Sep 2024
<ul style="list-style-type: none"><li>• Redesigned club website in React to improve visibility of events and technical resources for engineering students.</li><li>• Established partnerships with tech recruiters to secure sponsorships for hackathons and career fairs.</li></ul>	