

Nina Do

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EDUCATION

University of Waterloo | Systems Design Engineering (BaSc)

4.0/4.0 GPA - 95%

2022 - 2027

- Awards: BMO Entrance Scholarship & President's Scholarship of Distinction, 5x Term Dean's List Honours
- Courses: Human Factors in Design, Digital Computation, Data Structures & Algorithms, National University of Singapore Exchange

WORK EXPERIENCE

Kikoff | Software Engineer Intern

San Francisco, CA | Sep 2025 - Dec 2025 ; May 2026 - Present

- Built & launched **Goodwill Letters** as sole engineer, helping users seek removal of hardship late-payment marks from credit reports
- Sent **10,312 letters in 15 days** across a **30K-user experiment**, achieving **34.4% conversion** and a **2 pp lower new-user account closure rate** than control
- Built **Flutter, Rails, and React** workflows for tri-bureau matching, **S3** uploads, and asynchronous letter fulfillment with **Sidekiq**; instrumented analytics with **Amplitude** and monitored production with **Datadog and Sentry**
- Led development of **Catch**, a **Flutter** app for class-action settlement discovery, and launched it on **Google Play** within one month

Shopify | Software Engineer Intern

Toronto, ON | Jan 2025 - May 2025

- Automated 3 critical security QA workflows using **Ruby on Rails & Capybara**, reducing manual testing time by 20% across **300+** Shopify partner apps; supported schema migrations and background jobs to ensure reliability across systems
- Implemented UI compliance checks using **OpenAI Vision API**, streamlining standards adherence by **auto-detecting** key UI elements
- Prototyped conversational QA tools using **Gemini Live**, enabling developers to automate checks via natural language

Motive | Product & Software Engineer Intern

Austin, TX | May 2024 - Dec 2024

- Engineered the eSIM IoT Remote Manager with **Angular, Swagger API, PostgreSQL & Java**, resulting in a robust system that enhanced data integrity and improved user experience by 12%
- Built **JSON Server** mocks for the eSIM IoT Remote Manager, enabling product demonstrations for **7+ prospective customers**
- Led end-to-end development of customized iSIM software features, from initial research to **Figma** prototyping to final implementation, based on GSMA specs, directly contributing to deals with **Verizon, Orange**, and other major telecom providers

Nokia | Software Engineer Intern

Ottawa, Canada | Sep 2023 - May 2024

- Implemented the **Angular-based smart input features** for iSIM, leading to an improved user experience for over **150+** customers worldwide and reducing SIM profile creation (in compliance to the GSMA specifications) errors by **23%**
- Spearheaded **OpenShift** deployment via CodeReady Containers (CRC), **writing Bash scripts to automate** pod lifecycle (e.g., download, delete) and orchestrate Helm/YAML-based installs (nginx-ingress, Keycloak)
- Hosted seminars for **35+** Nokia employees on iSIM smart input features, increasing product knowledge by **85%**

RESEARCH EXPERIENCE

Undergraduate Research Assistant | University of Waterloo

- Designed a **Python evolutionary algorithm** to evolve Mealy automata and measure computational complexity across **10 independent 100,000-generation runs**
- Parallelized reproducible experiments on the **Graham and Nibi HPC clusters** using **Slurm**; applied **GAP/SgpDec** to compute complexity bounds and benchmark evolved automata against random baselines

SKILLS

Languages

Python, C++, Java, JavaScript, TypeScript, Ruby, Dart, SQL, Bash

Frameworks & Data

Flutter, Ruby on Rails, React, Angular, Next.js, Sidekiq, PostgreSQL, MongoDB, GraphQL

Infrastructure & Observability

Kubernetes, Docker, OpenShift, Slurm, Linux, AWS, Amazon S3, Jenkins, Datadog, Sentry, Git