# Kallie Huynh

+1 780-263-4138 | kalliehuynhcs@gmail.com | linkedin.com/in/kalliehuynh | github.com/seagulley

## EDUCATION

**University of Alberta**                                                                    Edmonton, Alberta
*Bachelor of Science in Computer Science*                                          *Sep. 2021 – May 2026*

## TECHNICAL SKILLS

**Languages**: Python, Java, Go, C/C++, JavaScript, TypeScript, SQL (Postgres, MySQL), Swift, Kotlin, Ruby
**Frameworks & Libraries**: Flask, Express, React, Angular, Spring, SwiftUI, TensorFlow, Pandas, NumPy, Matplotlib
**Tools**: Git, Docker, Kubernetes, Google Cloud Platform, AWS, JMeter, JUnit, Jest
**Skills**: Full-Stack Development, REST API Design, CI/CD, Distributed Systems, Machine Learning, Data Pipelines, Web Scraping, Agile, OOP, Technical Writing

## EXPERIENCE

**Software Development Engineer Intern**                                                    May 2025 – Present
*Amazon Web Services - Step Functions*                                              *Vancouver BC, Canada*
- Designing and implementing new functionality to enhance JSON parsing and data transformation capabilities within AWS Step Functions Distributed Map state.

**Software Development Engineer Intern**                                              May 2024 – Dec. 2025
*Amazon Web Services - Step Functions*                                              *Vancouver BC, Canada*
- Led the design and implementation of new input/output types and formatting logic for Distributed Map, a parallel processing state in AWS Step Functions.
- Enhanced logging and monitoring by improving Distributed Map's CloudWatch pipeline; collaborated with product teams and Datadog to expand observability.
- Owned production-grade features through Amazon's CI/CD pipelines, including rigorous unit, integration, and canary testing.

**Software Engineering Intern**                                                            May 2023 – Dec. 2023
*Royal Bank of Canada Capital Markets*                                                      *Toronto, Canada*
- Contributed to a Capital Markets product feature with a potential $900B annual impact (US Provisional Application No. 63/534,295), winning RBC's Business Value award.
- Developed a portable cash forecasting app with ¡ 20% MAPE, enhancing treasurers' financial planning accuracy; later transitioned to RBC Clear, gaining Angular and Java skills to improve portal security, accessibility, and UX.

## PROJECTS

**Accessibility and Inclusivity in Medicine Club Website** | *React, Express, Notion API*  Aug. 2022 – Sep. 2022
- Developed a full-stack web application that uses Notion API to integrate the club's shared Notion page to a frontend, enhancing online visibility and event participation.

**Local Restaurant Recommendation App** | *Python, Flask, Selenium, JavaScript, Git*            Jan. 2022
- Used web scraping with Selenium and Flask to collect and serve structured restaurant data; designed backend routes for recommendation delivery.

## EXTRACURRICULAR AND OTHER EXPERIENCE

**Junior Leader and Skateboarding Mentor**                                                 Sep. 2022 – Present
*Tiger Skate Club*
- Mentor new skaters and help lead group sessions during one of western Canada's annual skateboarding events for gender minorities, supporting women and queer participation.

**Digital Illustrator and Designer**                                                        May 2016 – Present
*Freelance*
- Consulted with local businesses, organizations, and online creators to build a cohesive and compelling brand image through merchandise, logo, and advertisement designs.
- Crafted online ads that significantly boosted restaurant delivery sales during COVID-19, aiding business resilience and recovery.