

Marcus Chok

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SUMMARY

- CS undergraduate student graduating **mid-June 2025** seeking full-time **software engineering** position
- Extensive internship experience with **frontend**, **backend**, and **developer tooling** application development

EDUCATION

University of Waterloo

Sep 2020 – Jun 2025 (Expected)

Bachelor of Computer Science

- GPA: 3.92, CAV: 90.00% (Term Distinction: Fall 2020 – Spring 2024)

EXPERIENCE

Snowflake | Software Engineer Intern

Sep 2024 – Dec 2024,

Java, Kotlin, Python, Snowflake SQL, IntelliJ Platform Plugin SDK, JUnit, Gradle, Swing Jan 2024 – Apr 2024

- Developed an instrumentation library to track usage, reliability, and performance metrics for Snowflake CLI
- Instrumented all Native App commands and created 25+ dashboards and visualizations using new telemetry data, leading to a 40% reduction in reported errors and greater clarity for developers and product owners
- Lead the design and implementation of an IntelliJ / PyCharm plugin for Snowflake Native App development
- Developed integrations and commands for SnowCLI to support project generation and Run Configurations
- Authored JSON Schemas to provide dynamic validation and autocompletion for YAML configuration files

OANDA | Full Stack Web Developer Intern

Sep 2023 – Dec 2023

TypeScript, React, Material UI, Cypress, Python, Pyramid, Django, Firebase, GoCD

- Designed thread-safe logging timers to enable endpoint response time tracking and visualization in Splunk
- Developed UI/UX improvements and facilitated A/B tests using Firebase, increasing conversion rates by 10%
- Implemented input masking and reset functionality for all form fields, reducing abandonment rates by 20%
- Optimized pipelines and reworked extraneous jobs, decreasing deploy times by 60% and saving \$500/month

Workleap (Formerly GSoft) / ShareGate | Software Developer Intern

Jan 2023 – Apr 2023

TypeScript, React, Next.js, Playwright, C#, ASP.NET Core, MongoDB, Microsoft Azure

- Architected Teams App enhancements to display meeting recordings and assign users as points of contact
- Augmented services using retry policies with exponential backoff, decreasing request failure rate by 10%
- Designed fake CQRS handlers to facilitate testing and development, reducing developer friction by 30%
- Improved error handling by implementing feature-scoped error boundaries and end-to-end smoke tests using page object models, increasing mean time between failures by 25% and reducing mean downtime by 20%

Ford Motor Company of Canada | Software Engineering Intern

May 2022 – Aug 2022

TypeScript, React, Jest, Express, MySQL, Docker, Terraform, Tekton, Google Cloud Platform

- Leveraged Ghost to prototype a WYSIWYG editor and blog that adheres to WCAG 2.0 Level AA standards
- Architected a CI/CD pipeline with Tekton to automate testing/deployment, decreasing throughput time by 40%
- Enhanced pipeline security with Checkmarx, SonarQube, and Fossa, eliminating 90% of vulnerabilities

SKILLS

Languages:

TypeScript, JavaScript, Java, Python, C#, SQL, HTML, CSS

Tools and Technologies:

React, Next.js, Node.js, ASP.NET Core, Swing, Git, Docker, IntelliJ Platform