Gong (Victor) Feng

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Summary of Qualification

- 4 years programming experience with coding in languages including **Java, C#, JavaScript, TypeScript, C, C++, Python, Kotlin.**

- 2 years of development experience across various projects and various frameworks including **Angular, Spring Boot, React, Android Studio, HTML, CSS.**

- 2 years of testing experience encompassing **unit testing, end-to-end testing, integration testing** and **test automation** using **Junit, Mockito, xUnit, Moq, Playwright, Robot Framework,** and **Selenium.**

- Proficient in **clean code principles, design patterns** and **clean architecture**: Patient Management App (practice project for clean architecture) ; C# Design Pattern.

- Experienced in version control systems including **Git** and **GitHub** for efficient source code management and collaboration.

Professional Experience

Canada Revenue Agency – Ottawa, ON.   May 2024 – Dec 2024

Full Stack Developer – *Criminal Investigation and Integration Services Team*

- Contributed to the migration of CRA's auditor **desktop software** to a **web-based application**, enhancing accessibility and modernizing the user experience.

- Developed responsive user interface using **Angular** and implemented **RxJS** observables for seamless frontend data communication.

- Designed and built **REST API** layers for efficient data retrieval, integrating with complex backend systems.

- Modified server-side domain logic to align with evolving business rules and ensured integration of diverse data sources.

- Implemented comprehensive **end-to-end** tests using **Playwright** to validate user workflows and application functionality.

Magnet Forensics – Waterloo, ON.   May 2023 – Aug 2023

Software Developer (COOP) – *Artifacts Mobile Team*

- Collaborated to the development and enhancement of **Magnet AXIOM**, Magnet Forensics' flagship, by implementing new features and optimizing data identification, extraction, recovery process.

- Defined artifact schemas and implemented data parsers and "hunters" to extract information from various sources, utilizing **SQLite**, **Protocol Buffers**, and **FlatBuffers**.

- Developed and executed **unit tests** using **Moq** to validate helper and converter classes.

Nokia – Ottawa, ON.   Sep 2022 – Dec 2022

Software Developer in Test (COOP) – *Netguard Cybersecurity Dome Team*

- Collaborated in a team of interns to enhance product quality by developing integration and end-to-end tests using **Robot Framework** (**Python, Selenium**).

- Configured and optimized test stages in the **GitLab CI/CD** pipeline to automatically test result uploads to **Jira** and integrate with **Xray Test Management** for improving tracking of testing metrics and KPIs.

- Worked cross-functionally with **Dev, DevOps, Infra, ML** teams to understand service functionalities and deploy them for testing including **GraphQL, credential management**.

Education – New Grad

Bachelor of Applied Science – Software Engineering (COOP)   Sep 2020 – Dec 2024

University Of Ottawa – Ottawa, ON.
Highlight: CGPA: 9.49/10; Recognized on the Dean's Honor List for 8 consecutive terms.