

KENNY CHEN

☎ 604-704-8857 ✉ kennyuyang.chen@mail.utoronto.ca 🔗 <https://www.linkedin.com/in/kenny-chen-229115231/>
🐙 <https://github.com/ychen5601> 🌐 <https://www.chenyy.dev>

Skills

Programming Languages: Python, Java, Kotlin, C, JavaScript, TypeScript, Bash, CSS, HTML

Concepts: UML, Software Methodology, Web Development, Test Automation, Object-Programming Paradigms, Computer Security, Artificial Intelligence, Data Structures, Databases, Operating Systems

Technologies/Frameworks: Linux, Git, React, React Native, Amazon Web Services, Express, PostgreSQL, MongoDB, Jenkins, JUnit, Selenium, Appium, Splunk, WireShark, MetaSploit

Relevant Experience

TheScore Media and Gaming, Inc.

May 2022 – December 2022

Test Software Developer

Toronto, ON

- Engineered and deployed automated testing scripts in **Kotlin**, employing **Appium** and **JUnit**, significantly reducing regression testing efforts.
- Led the adoption of **Selenium Webdriver** for automating web application tests, achieving 100% automation of smoke test suites, reducing manual testing efforts by 10%.
- Communicated with key stakeholders to establish automation requirements, significantly enhancing software quality and reducing dependency on manual testing.
- Managed automation test reporting and monitoring through **Jenkins**, ensured test relevance by regularly updating and monitoring test runs, and leveraged **Jira** for effective coordination between development and testing teams, contributing to informed decision-making in release meetings.

Fitbook

May 2023 – October 2023

Full-Stack Developer

Toronto, ON

- Developed an intuitive front-end application for **Android and iOS** using **React Native** for users to log, monitor, and share workout routines and progress metrics.
- Structured and created back-end API endpoints using **Express and MongoDB** to manage user data, workout routines, and progress metrics.
- Implemented **MVC** design patterns for software architecture, ensuring a modular full-stack environment.
- Translated functional and technical requirements into **UML**, increasing software maintainability.

9930 Biotechnology

January 2024 – Present

Full-Stack Developer

Remote

- Engineered and maintained an intuitive e-commerce website for a biotechnology startup, projected to increase product outreach by 300%.
- Leveraged **AWS Amplify** to deploy and maintain the front-end, API endpoints, and back-end.
- Communicated with key business stakeholders to establish functional and technical requirements, translating them to **UML** and technical documentation.

Projects

InvestoBot | Python, Firebase, Discord, REST

December 2021 – January 2022

- Conceptualized and created a Discord Bot using Python, simulating stock trading based on real-time market data sourced from Yahoo Finance's API.
- Integrated **Firebase** as a dynamic back-end solution to manage and user data, including simulated account balances, stock holdings, and transaction history.
- Implemented deployment across several Discord servers, enhancing user engagement by 20% via user-friendly and intuitive trading features.

LangChainJS | TypeScript, Generative AI, Open Source

October 2023 – November 2023

- Implemented Buffer Memory modules in the LangChainJS open-source library, enabling developers to store past transactions with LLM APIs in memory based on LLM tokenization mechanisms.
- Designed and implemented unit tests ensuring module reliability, and collaborated with maintainers to ensure code meets functional and stylistic requirements.

Education

University of Toronto Scarborough

September 2020 – June 2025

Honours Bachelor of Science in Computer Science with Co-op

CGPA: 3.37/4.00