

ANTHONY LIM

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | • Windows • Ubuntu Linux • Kali Linux

Applications & Tools | • Microsoft Azure • GitHub • Git • GitLab • Docker • Jira • Confluence

Programming | • Java • JavaScript • TypeScript • Python • React • Node.js • HTML • CSS • C • Clojure • Erlang • C#
• MySQL • MongoDB • Spring Framework • Spring Boot

Methodologies | • Agile and Scrum • CI/CD

Languages | • French • English • Spanish • Chinese Teo Chew

WORK EXPERIENCE

Full stack Software Developer Intern | *React, TypeScript, JavaScript, Playwright, React Native* **Sept 2024– Dec 2024**
X20 Media, Montreal, Quebec

- Achieved an **80%-time reduction** in the quality assurance process duration by developing end-to-end (E2E) tests using Playwright and **TypeScript** for the CI/CD pipeline.
- Developed a Slack bot to automate the retrieval and sharing of release notes from Jira and GitLab, reducing **manual effort by 90%** with Slack slash commands.
- Converted an existing React web application to a React Native mobile application, enabling cross-platform compatibility.

EDUCATION

Bachelor of Engineering – Software Engineering Co-op **2023- 2027**
Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- 3.61/4.30 GPA
- Relevant Courses: Data Structure and Algorithms, Oriented Object Programming Java I, Oriented Object Programming Java II, Web Development, Principle of Programming Languages, GUI Program Development

DEC in Computer science and mathematics **2021-2023**
Collège Bois-de-Boulogne, Montréal, QC

PROJECTS

MERN Stack Paper Trading Application | *React, JavaScript, MongoDB, Express, Node.js, HTML, CSS*

- **Developed** a full-stack paper trading web application, simulating equity trading with real-time data and supporting personalized account management.
- **Collaborated** with a team of 3 developers to integrate frontend and backend components, ensuring seamless functionality and adherence to project specifications.
- Engineered a secure **2FA** authentication system in **Node.js**, allowing users to create accounts, log in and manage virtual portfolio.

Full Stack Pet Adoption Website (Academic) | JavaScript, Express, Node.js, HTML, CSS

- Engineered both the front end and back end of a pet adoption website using JavaScript, HTML, CSS, Node.js to enhance usability and functionality.
- Designed a user-friendly interface to facilitate navigation process for users to find and adopt pets.
- Integrated multiple libraries and frameworks to optimize website responsiveness and code reusability such as Express, EJS, etc.

Cryptography Project | Java

- Used **object-oriented programming** to create reusable code.
- Developed a versatile **encryption** tool capable of securing messages through various cryptographic techniques or concealing them within files using steganography.

Advanced Mathematic Calculator | React, JavaScript, HTML, CSS

- Developed a sophisticated web-based calculator utilizing the **React** framework for dynamic user interface creation, ensuring a seamless user experience.
- Engineered complex mathematical formula calculations in JavaScript, including Gauss Matrix Elimination, Imaginary Roots, and Inverse Modulo, demonstrating deep mathematical knowledge and programming proficiency.
- Integrated **Jest** Testing Library for **Unit Testing**, ensuring the reliability and accuracy of mathematical computations.

EXTRA-CURRICULAR ACTIVITIES

AquaScan: AI-Powered Fishing Assistant | PolyHacks 2025 Winner | React Native, AI, Python, Selenium

- Developed a mobile app using React Native and TypeScript to promote sustainable fishing practices by identifying fish species and verifying local fishing regulations in real-time.
- Integrated an AI-powered image recognition model to analyze user-uploaded photos of fish, achieving high accuracy in species identification.
- Web scraped official government websites to collect fishing regulations, ensuring compliance with local laws with a zone mapping.

JACHacks (2024) Winner for Best AI Project for Education | TensorFlow, Pandas, Python

- Leveraged Google Media Pipe hand recognition and TensorFlow AI model to build a variety of tools such as a PowerPoint control using hand commands, a secure Captcha using hand pattern recognition and a drawing tool with the index finger point history on Tkinter python.
- Implemented an AI model for real life use cases for cybersecurity purposes and educational purposes.
- Trained the AI model to recognize specific hand gestures with Pandas python.

CasperAI: AI-Powered Practice Tool | McHacks 2025 | OpenAi, Restful API, Node.js, Express, React

- Leveraged OpenAI's natural language processing (NLP) to analyze and evaluate user responses to Casper exam.

Tech Nation CTF Cybersecurity Hackathon (2024) | Kali Linux

- Gained hands-on experience with Kali Linux VMs, learning to navigate and utilize its suite of cybersecurity tools
- Developed skills in reverse engineering applications to identify vulnerabilities.

CERTIFICATIONS

Docker for the Absolute Beginner - Hands On – DevOps

Udemy - <https://www.udemy.com/certificate/UC-839af642-4c06-437b-8b1b-535278dc20dd/>

2024