INSTITUTE FOR
CO-OPERATIVE EDUCATION

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
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

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.

ConUHacks VIII (2024) *Java, JavaFX, Gradle*
• Implemented mini zombie game logic and physics, including character movement, zombie AI, and collision detection, to create an engaging and challenging gameplay experience.

Tech Nation CTF Cybersecurity Hackathon (2024)
• 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 **2024**
Udemy - https://www.udemy.com/certificate/UC-839af642-4c06-437b-8b1b-535278dc20dd/