

Anthony Thanpoovong

☎ (647) 232-8025 | ✉ thanpoovong84@gmail.com | 🌐 [anthonythanpoovong](https://anthonythanpoovong.dev/) | 🔗 <https://anthonythanpoovong.dev/>

SKILLS

Languages/Frameworks: Java, Python, C, SQL, MySQL, JavaScript, TypeScript, Tailwind CSS, React, LangChain

Technologies: Linux, Git, Jira, Trello, Confluence, Docker, Kubernetes, Power BI, Azure, AWS, Azure DevOps

EDUCATION

Toronto Metropolitan University | Toronto, ON

September 2020 - May 2025

Bachelor of Engineering [B.Eng]: *Computer Engineering – Software Engineering*

- Relevant Courses: Algorithms and Data Structures, Database Systems, Microprocessor Systems, Analysis and Design, Computer Vision, Distributed Cloud Computing, Network Security, Intelligent Systems

Certificates: Google Cybersecurity

PROFESSIONAL EXPERIENCE

Incoming Cybersecurity Engineer

October 2025 - Present

Telus | Toronto, ON

Software Engineer Intern

February 2024 - April 2024

ezML | San Francisco, CA

- Engineered and deployed a scalable cloud-based server for ezML's computer vision program using **Azure**, which resulted in reducing storage costs by **30%** and improving data retrieval by **40%**
- Created a user-friendly consultation schedule, which improved booking efficiency by reducing average appointment setup time to under five minutes
- Collaborated with the back-end team to conduct comprehensive code reviews for computer vision (CV) pipelines using **Azure DevOps**, resulting in solving 15+ critical issues and boosting processing speed by **25%**

Security Engineer Intern

September 2023 - December 2023

Scotiabank | Toronto, ON

- Performed a backup of the **MySQL** database and executed a vault migration due to an update to RHEL8
- Deploying Hashicorp vaults on Scotiabank's unresponsive **Linux** servers to increase client efficiency by **20%**
- Managed API calls between the vault and MySQL server while deploying **50+** visual data representations on **PowerBI**, streamlining data integration and improving real-time reporting by **30%**
- Researched and documented Confluence pages on the threats and practical use cases of Quantum Cryptography, providing detailed insights to inform security strategies and future developments

Quality Engineer Intern

May 2023 - August 2023

TD Canada Trust | Toronto, ON

- Composed over 100 feature files for the Security Management Team and DaaS platforms using **Java** and **Selenium**
- Tested and mapped the traceability of the data through several test cases and TD automated tools to increase efficiency by **20%**
- Developed scripts that automated tasks such as database backups and restoration of servers, saving approximately **20 hours** per week

Full Stack Developer Intern

January 2023 - April 2023

LDRS Investments Incorporated (Startup) | Toronto, ON

- Led a small team of 4 to create a full-stack company website using **Django, MySQL, Python, JavaScript** and **React.js**
- Designed an instantaneous chat feature for customer-to-service representatives using Django channels and React.js that helped increase customer service by **70%** while implementing a new login-authentication screen.

PROJECTS

Just Send The Table To The LLM | [GPT-4o](#), [Gemini 1.5 Flash](#), [LangChain](#), [TailwindCSS](#), [NextJS](#), [FastAPI](#), [PostgreSQL](#), [AWS](#)

- In a group of 4, we designed a full-stack application that utilizes LLMs to preprocess CSV and JSON files for summarization and interactive visualization by enabling open-ended prompts
- Utilized LangChain to simultaneously leverage GPT-4o and Gemini 1.5 Flash into different use cases
- Spearheaded the interactive visualizations and LLM integration team to receive a response time of 1 second.

Resume Builder Web Application | [Java](#), [HTML](#), [Docker](#), [Kubernetes](#), [Microservices](#)

- Produced a full-stack resume builder web application using Java, HTML, Docker, and Kubernetes, allowing users to create and save resumes through a public API
- Implemented knowledge of Servlets, Forms, N-tier architecture, and deployed all microservices on Google Cloud

NBA Sports Betting Analysis Application | [Python](#), [JavaScript](#), [Node](#), [React](#), [Tailwind](#), [MySQL](#), [Tensor Flow](#),

- Constructed a web-based betting analysis platform that aggregates NBA data, providing users with real-time game predictions and parlay insights while training the predictive model using TensorFlow to forecast game outcomes