

# Axel Tang

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## Education

### University of Toronto

2025 - Expected 2027

*Master of Engineering (Emphasis on Data Analytics and Machine Learning)*

*Toronto, Canada*

- **Relevant Coursework:** Applied Deep Learning, Foundation of Data Analytics and Machine Learning, Intro to Cloud Computing

### University of Ottawa

2020-2024

*Honours Bachelor of Science in Computer Science (GPA: 3.51 / 4.00)*

*Ottawa, Canada*

- **Honours and Awards:** Dean's Honour List, International Merit Scholarship

### Credentials

2025

*Post Grad Certifications*

*Remote*

- **Harvard Online:** Data Science for Business
- **Deeplearning.AI:** Machine Learning Specialist

## Recent Work Experience

### Sky Dream

Mar 2025 – May 2025

*Information Technology Instructor*

*Hong Kong*

- Provided coding and aviation related education to top elementary school students

### Hong Kong General Chamber Of Commerce

July 2024 – Aug 2024

*Information Technology Intern*

*Hong Kong*

- Implemented security cameras of office to have motion capture and face detection with Py OpenCV Contours.
- Used fuzzywuzzy algorithm to compare data from SQL database to extract abbreviated names.
- Re-designed intranet webpages with ASP.net & CSS and data entry into system.

### InteractHealthPro

Mar 2024 – June 2024

*Software Developer Intern*

*Canada*

- Ensure smooth transition from one CMS system to another and improved operational efficiency

## Projects

### NLP and DL Small Project | Jupyter Notebook, Python

<https://github.com/AxelTWC/NLPDL-PJ>

- Understanding concepts ranging from preprocessing, logistic regression, MLP and cross-validation using precision and recall when trained on verbs versus nouns.

### Umple | Java, Internal Language: UML

<https://umple.org>

- Actively contributed to an open source project (model-oriented programming tool) with 2 million visitors.
- Tasked with implementing and resolving Java and Umple issues while ensuring effective version control and CI/CD pipelining.
- Submitted multiple Pull Requests; such as extraneous bracket detection with Regex and Batch Scripts for Windows Development

### HumblexMC Server | Java Plugin Developer, Business Management

<https://humblex.net>

- Developed server plugins, automate deployment, establish online presence, lead the development team and enhance user engagement.
- Developed Java plugins with Maven Bukkit API, automated deployment with Batch Scripts, optimized the server's website with SEO to improve pagerank, led the team using Trello and Miro, and executed advertising campaigns achieving 465k views.
- Increased system reliability by 90%, improved pagerank from 33 to 4, effectively managed the development team, and significantly boosted server growth and user engagement.

## Technical Skills

**Languages:** Python, Java, C#

**Concepts:** Artificial Intelligence, Machine Learning, Neural Networks