

# Kevin Tran

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<https://kevin-trann.github.io/personal-portfolio-website/>

## EDUCATION

### Toronto Metropolitan University

Bachelor of Science in Computer Science (Co-op)

Toronto, Ontario

Sept. 2024 – April 2029

## PROJECTS

### IMDB Data Insights & Movie Recommender | Python, Streamlit

- Developed a Python-based platform that recommends movies and TV shows based on user-selected titles, genres, and popularity metrics
- Implemented sorting and filtering functionality to list content by rating, number of votes, and release year, enabling dynamic exploration of popular titles
- Processed and analyzed IMDb datasets using pandas and NumPy to handle large-scale data efficiently and generate accurate recommendations

### Gengar Simulator | Java

- Designed a turn-based simulation game based on the video game "Pokemon"
- Applied linear algebra concepts (points, matrices) to control animation paths and drawing logic
- Built an interactive GUI with JSwing for animations and to enhance user experience

### One Piece Adventure Game | Java

- Designed a choose-your-own-adventure game inspired by the TV show "One Piece", where player decisions dynamically influence story progression
- Implemented probability-based algorithms to determine the success or failure of player actions, driving strategic planning and replayability
- Applied object-oriented programming principles in Java, leveraging classes, constructors, getters/setters, and method overriding to design flexible and reusable game systems

## TECHNICAL SKILLS

**Languages:** Python, Java, C, HTML/CSS, Assembly

**Frameworks:** React, Node.js

**Developer Tools:** Git, VS Code, Excel

**Libraries:** pandas, NumPy

## EXPERIENCE

### Coding Instructor

STEM Camp

June 2024 – Sept. 2025

Newmarket, Ontario

- Led hands-on learning sessions focused on coding and robotics, fostering student engagement and technical understanding
- Guided students through practical applications of loops, conditionals, and variables in Python, with practical exercises
- Mentored students in debugging and problem-solving, fostering critical thinking and coding proficiency

### Tax Preparer Associate (Co-op)

Liberty Tax

Feb. 2022 – June 2022

Newmarket, Ontario

- Conducted detailed client interviews to gather accurate financial and personal information for tax preparation
- Informed clients of required procedures, documentation, and expected timelines throughout the tax filing process
- Prepared and entered tax return data using Excel and company software, ensuring accuracy and compliance with CRA standards