

# Vu Nguyen

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## EDUCATION

### Weston Collegiate Institute

Toronto, ON

Ontario Secondary School Diploma

Expected: June, 2025

- **Overall Average:** 96%
- **Key Courses:** Physics (SPH4U1), Visual Design (AWD4M1), Computer Science (ICS4U1 - In Progress), Computer Engineering (TEJ4M1 - In Progress), Calculus & Vectors (MCV4U1 - In Progress)

## WORK EXPERIENCE

### Konbini Plushies | *HTML/CSS, JavaScript*

Toronto, ON

Co-founder

August, 2024 – Present

- Co-found Konbini Plushies, an online e-commerce store specializing in unique plush toys and merchandise.
- Create organic advertisement campaigns on TikTok and Instagram resulting in **\$3k in total revenue**.
- Apply design techniques like the golden ratio to create a visually appealing website meeting modern standards.
- Use generative AI to enhance the resolution of product images, **leading to a 17% click-through rate increase**.

### TakuLabs Ltd. | *TypeScript, Node.js, Playwright, Puppeteer, Docker*

Toronto, ON

Web Development Intern

March, 2023 – June, 2024

- Implemented knowledge-base hosting alternatives, **cutting down fees by 97%** using Docker and DigitalOcean.
- Developed web scraping tools using Node.js and Puppeteer for various clients looking to catalogue their inventory.
- Developed **over 80%+ of test cases** using TypeScript, Node.js, and Playwright, ensuring thorough coverage.
- Pitched and presented cost-effective alternatives to existing systems such as hosting services to executives.

## LEADERSHIP/EXTRACURRICULAR

### Computer Science Club (President/Founder)

February, 2024 – Present

- Project Lead of multiple projects including the club website, and an in-dev web app.
- Designate roles & responsibilities for **14 club members**.

### JavaScript Tutoring

December, 2023 – Present

- Tutor **4 students** in JavaScript, HTML/CSS, fostering proficiency in fundamental web development skills.
- Students were able to create personal portfolio websites using the skills acquired.

### Toronto Raptors HACKATHON

March, 2024

- Led and coordinated a team of students in the hackathon and placed as an honorary mention.
- Developed a gamification concept for the Toronto Raptors app, created diagrams, and presented to judges.

### A/V Team

March, 2024 – Present

- Handle the setup and operation of technical equipment, audio systems, and stage lighting during major events.

## PROJECTS

### Phantasy | *Node.js, MongoDB, Discord API*

October, 2022 – Present

- Develop an open-source backend bot application serving the Discord REST API.
- Used caching techniques with MongoDB to deliver seamless UX and **reduced memory usage by 40%**.

### WCI CS Website | *React.js, JavaScript, HTML/CSS*

June, 2024 – September 2024

- Develop an open-source static website for Weston Collegiate Institute's Computer Science Club.
- Optimized load times for SEO using lazy loading and next-gen image formats, reducing loading times by **30%**.

### Mobile Game Clones | *Unity, C#*

June 2022, – November 2023

- Recreated famous mobile games such as Flappy Bird and Pick a Lock on Unity using C#.
- Uncovered ingenious techniques used in game development such as relative motion in 2D games.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, HTML/CSS, Lua, C++, C#

**Technologies:** React, Node.js, Express.js, Jest, MongoDB, Docker

**Developer Tools:** Git, Yarn, Github, VS Code, Bash, npm, BitBucket, Arduino IDE, Unity

**Libraries:** Playwright, Axios, Discord.js, Puppeteer

**Productivity:** Photoshop, Notion, Microsoft Suite, Canva, Davinci Resolve

**Areas of Interest:** Trading Cards, Reading (Manga & Manhwa), Cycling, Board Games (Sudoku, Chess, Gomoku)