

# Eddie Zhuang

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## EDUCATION

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### McMaster University

*Bachelor of Applied Science in Computer Science*

Hamilton, ON

*Sept. 2023 – June 2027*

- Relevant courses: Linear Algebra, Calculus, Computational Thinking, Discrete Math

## EXPERIENCE

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### Student Council Technology Chairperson

*Pierre Elliott Trudeau High School*

Apr. 2022 – June 2023

*Markham, ON*

- Developed Pethsapp, an app written with JavaScript and React Native which allows students to access school announcements and resources easily
- Designed and developed a live leaderboard website using React and Firebase to display the food drive donations of 60 classes publicly
- Collaborated with council members every week to organize school events for over 1000 students, including a school-wide carnival and a haunted house

### Co-op Web Developer

*U+ Education*

Feb. 2022 – June 2022

*Markham, ON*

- Designed and developed a website promoting a Toastmasters club for clients using Figma and Wix
- Engaged with an outside organization through multiple meetings to establish a Shopify store
- Interviewed 26 people about their language learning experiences for a company-published book
- Researched project management software to present my findings to the web development team

## PROJECTS

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### Deep Residual Learning for Image Recognition | *Python, PyTorch, Google Cloud*

[eddiezhuang.com/portfolio/resnet](http://eddiezhuang.com/portfolio/resnet)

Apr. 2024 – May 2024

- Implemented the Residual Neural Network architecture in PyTorch by reading the original paper
- Replicated the paper's experiment on the CIFAR-10 image classification dataset, achieving results within 0.6% of the authors' reported accuracy
- Trained models on Google Cloud and tracked experiments with Weights & Biases

## AWARDS

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- Honour Roll: Canadian Senior Mathematics Contest 2022
- Certificate of Distinction: Canadian Computing Competition 2022
- Honour Roll: Waterloo Galois Math Contest 2021
- First place in Ontario: Ontario Skills Competition Technology Challenge 2019
- First place in Ontario: Ontario Skills Competition Technology Challenge 2017

## TECHNICAL SKILLS

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**Certifications:** Machine Learning by Stanford University on Coursera, Practical Deep Learning by fast.ai

**Languages:** Python, HTML, CSS, JavaScript, Java

**Frameworks:** PyTorch, NumPy, Pandas, Matplotlib

**Developer Tools:** Jupyter Notebook, Weights & Biases, Github, Visual Studio Code, Firebase, Unity