

# MATTHEW NG

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## EDUCATION

### University of Guelph

Bachelor of Computing Computer Science *GPA: 4.0 cumulative (89% overall)*

Guelph, ON, Canada

2019 - 2024

## EXPERIENCE

### University of Guelph

*API Developer/Research Assistant*

Guelph, ON

May 2020 - August 2020

- API development and data analysis for a Humanitarian project funded by the Bill & Melinda Gates Foundation.
- Used Python and R to create models that present the global economic impact of animal disease. Developed REST APIs to access the data.
- Automated webscraping using the BeautifulSoup library and Selenium framework.

### University of Guelph Society of Computing and Information Science

*Vice President, Internal*

Guelph, ON

April 2020 - Present

- In charge of planning events and corresponding with academic faculty members to represent students in administrative decisions for the University of Guelph's Bachelor of Computing program.

### Toronto Youth Network

*Marketing*

Toronto, ON

September 2017 - January 2018

- Marketing department for the non-profit sector. Aided in finding funding for the "Shopify Local Hack Day" hackathon through finding business sponsorships.

## SKILLS

Programming Languages: Java, Python, C, C#, PHP

## PROJECTS

### NewSearch - Dataminer/Search Engine *Python, Java*

Created a research-oriented Dataminer/Search engine that uses machine learning to parse information and generates relevant keywords to create informative paragraphs using natural language training.

### FreshFiles *C#*

Created a streamlined and simple file backup tool in C# with WPF. Gained further experience in object-oriented programming and software design.

## AWARDS

### Sir Isaac Newton Physics Contest School Champion

School champion and ranked in the 88th percentile for Canada.

University of Waterloo

May 2019

### North America Champion: Public Anthropology Letter Writing

Top submission out of 2500 contestants across 22 universities around North America.

Hawaii Pacific University

November 2019

### University of Guelph Dean's Honours List

Achieved a semester average of over 80%.

University of Guelph

January 2020, May 2020

### University of Guelph Entrance Scholarship

Accepted to the University of Guelph with an average of over 90%.

University of Guelph

May 2019