

# Conor Vedova

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Entrepreneurial individual with a desire to utilize my academic expertise in Mathematics and Computer Science in my work. Maintaining a 3.92 GPA while participating in extracurricular activities.

## EDUCATION

### University of Toronto

Toronto, ON 2017 - 2021

- Pursuing BS- **Computer Science** Specialist, with a Focus in **Artificial Intelligence**, and **Mathematics Major**; CGPA of **3.92/4**

### Seton Hall Preparatory School

South Orange, NJ 2013 - 2017

- **Salutatorian**; Seton Hall Scholar; CGPA of **5.0/5**
- ACT Score- 34 Cumulative: 35 English, 36 Science, 31 Math, 35 Grammar
- 13 Advanced Placement (college) credits (4s or 5s on all exams)

## EMPLOYMENT

### Google

Mountain View, CA May 2020 - August 2020

- Software Engineering Intern- researching machine learning methods, at **Youtube Ads**, for video content understanding, so that we may provide advertisers with more options. My work focuses on combining novel methods in segment-level video understanding with text-based query video summarization so that we may generalize video understanding to unseen classes.

### Raymond James

Saint Petersburg, FL June 2019 - August 2019

- Risk Management Technology Intern- researched ways to improve **stress tests** and **Value at Risk** calculations for the bank's assets using **Deep Learning**. For my personal project, I successfully created a Deep Learning algorithm that is a more accurate replacement for Monte Carlo methods. I **presented** this project to **multiple executives**, including the **Chief Risk Officer** and **Chief Operating Officer of Trading**. I am currently in the process of completing a **research paper** on the algorithm and submitting it to an academic journal.

### Vector Institute

Toronto, ON October 2018 - May 2020

- **Machine Learning** Research Assistant- I am developing a **Deep Learning Neural Network** to diagnose rare **Cancer Types**. I am running my **own project** under a mentor at the Vector Institute. Applying many **few-shot learning** strategies, I am building multiple deep learning neural networks. I work with, among other things, Bayesian Optimization, Generative Adversarial Networks, **Word2Vec Skip-Gram** encoding, and Variational Autoencoders.

### Bibbit

Toronto, ON June 2018 - May 2020

- Full-stack Developer- coded the Bibbit website, using HTML5/CSS3, JavaScript, JQuery, and Bootstrap for the **front-end**, and Node.js, MongoDB, and MySQL for the **back-end**. Managed **database** connections and integrated front and back end. Held **technical interviews**, hired interns, created task lists, and **managed frameworks** and coding languages.

### BookRags

Seattle, WA 2018

- Writer- Read literary works and constructed **analytical** and thought provoking **guides** for the company.

## Canadian Campus Communities

Toronto, ON 2017

- Residence Associate- Organized building for incoming residents; **led Dons** in organizing lease packages; Led residence-wide and floor-wide **events**; **marketed** the building to potential residents; dealt with resident disputes and disturbances.

## EXTRA-CURRICULAR EXPERIENCE

### Computer Science

- Languages used- Python, Swift, HTML5, CSS3, JavaScript, MySQL, Java, LaTeX, Processing, PHP, MongoDB, and C
- Proficient in use of Bootstrap, jQuery, Express, React Native, cmd.exe, local servers, Eclipse, Wing IDE, PyCharm, Notepad++, Android Studio, Tensorflow, Keras, Linux, Git, SCRUM, Gradle, Testing, Xcode, and more

### University

- University of Toronto Artificial Intelligence group (UOFTAI) - participating on the **executive** team.
  - LearnAI- Responsible for **tutoring** and **lecturing** other undergraduate students on concepts in Deep Learning, Machine Learning, and Artificial Intelligence as a whole.
  - ProjectX- **Director** of Research team responsible for creating this **international machine learning competition** which focuses on solving climate change issues using AI.
- Created a fully functioning **blockchain cryptocurrency** using only a **hardware level** language, Verilog. Completed this project with one of my colleagues.
- **UoftHacks- winner** of Best Use of Machine Learning sponsored by **EPAM Systems**. Developed a **Recurrent Neural Network** to classify music based on emotion. Co-founded Emotiv Music, helped create website, and sell product.
- Into the Cold- held, organized, and managed **charity** drives called Into the Cold. We handed out food and warm clothing to homeless people in Toronto.
- BSI (Beyond Sciences Initiative)- technology specialist of this prestigious organization; edited parts of **website**; IT for a global online conference that connects professors and students from around the world. Website: <http://www.beyondsciences.org/>
- Fishackathon- **third place winner** for **fish identification application** iGoFish
- Safe Walk- Inventor, CEO, and Developer (Swift) of this **startup navigation app** used to improve street safety and travel conditions in cities