

Windsor Huang

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EDUCATION

University of Toronto

Honors Bachelor of Science in Computer Science and Statistics

Toronto, ON

Expected May 2022

GPA: 3.85

Leadership: Rational Capital Investment Fund Analyst and Operations Executive (**Present**); Student Rep for CS Undergraduate Committee (**Present**); First Year Rep for Computer Science Student Union; Ambassador for UofT Entrepreneurship Hatchery;

Relevant Courses: Software Design, UX Design of Interactive Computational Media, Computer Organization, Advanced Programming

EXPERIENCE

Scotiabank | Full-Stack Developer

Global Payments Team

Toronto, ON

Sep 2019 – Dec 2019

- Developed front-end of Request-to-Pay application using **React** to streamline Scotiabank's digital invoice system in an agile team.
- Built backend using **Node.js** to support reconciliation in order to accelerate integration into Scotiabank's payment systems.

Qu Capital | Software Engineer Intern

Quantitative Investment Fund specializing in Blockchain Technology

New York, NY

Jul 2018 – Aug 2018

- Developed web scraping programs using **Python** to extract data from six different currency indexes to accelerate data collection by 13%.
- Produced 24 reports analyzing trends on emerging blockchain technologies and company performance for stakeholders.

Columbia Business School | Research Assistant

Behavioral Research Lab

New York, NY

Jun 2018 – Aug 2019

- Redesigned project initiatives assessing hierarchal differentiation with Professor Galinsky and Brian Pike.
- Developed six surveys on **Qualtrics** testing impacts of hierarchal differentiation on company efficiency, collecting 100+ data points.

The Entrepreneurship Hatchery | Co-Founder & Lead Software Developer

Startup Accelerator - NEST 2019 Cohort @Virtrum Health

Toronto, ON

Oct 2018 – Aug 2019

- Accepted into 2019 NEST cohort to engineer motion tracking smart mirror that gives user feedback on workout technique.
- Developed prototype application using **React** that connects users to smart mirror and notifies user of improper form during workouts.
- Raised over \$10k in pre-seed investments by pitching to investors to develop a prototype for the product.

PROJECTS

"Quaranteen" Fitness Chatbot

Retrieval based chatbot that motivates quarantined youth to stay fit by giving them at-home workout exercises

Toronto, ON

Feb 2020 - Present

- Created and preprocessed chatbot **JSON** data with work-from-home goals to create training and testing data for chatbot.
- Used training data to build 3-layer **deep neural network** with **Keras** to increase accuracy of chatbot.

VR Exhibit on Schwarzschild Blackholes | Software Developer

Interactive educational VR exhibit on Schwarzschild Blackholes

Toronto, ON & New York, NY

Sep 2018 – Aug 2019

- Developed wireframe/diagrammed flow for the user interface of interactive VR exhibit on Schwarzschild Blackholes on **Unity** and integrated mathematical shader implementations written by Columbia University students.
- Invited to demo VR exhibit on Schwarzschild Blackholes at the Royal Ontario Museum on International Astronomy Day 2019.

SKILLS

- Languages:** Python, JavaScript, Java, HTML, CSS, C/C++
- Frameworks/Tools:** React, Node.js, NLTK, Docker, Git, AWS
- Machine Learning:** TensorFlow, Keras, Pandas, Numpy, Matplotlib

AWARDS AND HONORS

Team Canada Rowing: Received two silver medals at International CanAmMex Regatta as Canadian junior national team athlete.

Varsity Rowing: Led team to world record for fastest million meters rowed on an ergometer and two national championships.

Royal Canadian Army Cadet Program: Recipient of Army Cadet Legion Medal of Excellence, awarded to top cadets in the region.