Windsor Huang

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EDUCATION

University of Toronto   **Toronto, ON**

Honors Bachelor of Science in Computer Science and Statistics   *Expected May 2022*

GPA: 3.85

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

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

EXPERIENCE

Scotiabank | Full-Stack Developer   **Toronto, ON**

Global Payments Team   *Sep 2019 – Dec 2019*

- Developed front-end of request to pay application using **React** to streamline Scotiabank's invoice system as part of company's payment modernization initiative.
- Built backend with **Java** and **PostgreSQL** to support reconciliation in order to accelerate integration into Scotiabank's payment systems.

Columbia Business School | Research Assistant   **New York, NY**

Behavioral Research Lab   *Jun 2018 – Aug 2019*

- Redesigned project initiatives assessing hierarchal differentiation with Professor Galinsky and Brian Pike - commended for initiative skills.
- Developed six surveys using **Qualtrics** testing impacts of hierarchal differentiation in Behavioral Research Lab, collecting 100+ data points.

Qu Capital | Software Engineer Intern   **New York, NY**

Quantitative Investment Fund specializing in Blockchain Technology   *Jul 2018 – Aug 2018*

- Developed web scraping programs using **Python** to extract data from six different currency indexes to streamline data collection process.
- Produced 24 reports analyzing trends on emerging cryptocurrencies and redesigned workflow – commended for financial analytical skills.

The Entrepreneurship Hatchery | Co-Founder of Virtrum Mirror   **Toronto, ON**

Startup Accelerator   *Oct 2018 – Aug 2019*

- Accepted into 2019 NEST cohort to engineer motion tracking smart mirror that gives user feedback on workout technique.
- Developed prototype mobile 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

Smart Vape with iOS App | Software Developer & Data Analyst   **Toronto, ON**

Smart vape that helps addicted users quit by reducing nicotine flow percentage   *Aug 2019 - Present*

- Developed and connected mobile **React** app to microcontroller on a vape to control the percentage of nicotine given to user.
- Worked with CAMH to determine what front-end app design is most effective in ensuring that nicotine addicted patients continue utilizing smart vape and app tracking throughout the duration of their treatment.

VR Exhibit on Schwarzschild Blackholes | Software Developer   **Toronto, ON & New York, NY**

Interactive educational VR exhibit on Schwarzschild Blackholes   *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.

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.

SKILLS

- **Languages:** French (Advanced), Mandarin (Fluent)
- **Software:** Python, HTML, CSS, JavaScript, R, Unity, React JS, Node.js, Verilog, Heroku, Virtual Basic, Qualtrics, Finale