Tailai Wang
Computer Science and Business Administration Double Degree Student

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Technical Skills

Programming Languages:	Python, Java, C/C++, JavaScript, Scheme, SQL
Tools/Technologies:	MongoDB, Express.js, React.js, Node.js, AWS, Git, HTML/CSS

Experience

Questrade Financial Group — April 2020 - August 2020
Production Engineering Intern — *Toronto, Ontario*
- Monitored trading & market data routing using **Splunk** dashboards to maintain **99.9% uptime**
- Automated **company-wide** alerts using **JavaScript** & **G-Suite API**, cutting response times by 90%
- Developed HRM app using **MERN** stack, enabling incident simulation training and team analytics
- Utilized **GitLab** for version control and tracked requests & upgrades through **JIRA** & **Confluence**

knct - knct.me — April 2020 - Present
Software Engineering Lead - Backend — *Waterloo, Ontario*
- Worked closely with UI/UX designers and PMs to overhaul web app, increasing user base by **5x**
- Led creation of new API features for User Customization, reducing **MongoDB** document size by **32%**
- Integrated **Socket.IO** chat functions with **React** app hooks, standardizing API calls and chat storage

Projects

MomsOverMatter - lleTTonna.com — lleTTonna
- Developed *MomOverMatter*, a free medical information tool for depression treatment for new mothers
- Used **PostgreSQL** and the **MERN** stack to implement questionnaire features and web app components

Taxmaps - devpost.com/taxmaps — WinHacks 2020
- Awarded **"People's Choice Award"** at WinHacks 2020
- A personal finance app built using **React.js, Node.js**, and **CRA Tools** to empower taxpayers with spending visualization and political tax-plan comparisons.

Tourhub - devpost.com/tourhub — Hack the North 2019
- Awarded **"Accenture API Prize"** at Hack the North 2019
- A travel app built using **Node.js, Python, Firebase**, and **HTML/CSS** to aid high-school students and educators with booking university tours and campus visitations.

Leadership

JDCC Laurier - cabsonline.ca — Education
Academic Delegate - Digital Strategy
- Representing the Laurier Case Team as an Academic Competition delegate in the **Digital Strategy** tract
- Solved and presented case problems in **digitization**, **tech consulting**, and **business innovation**

The GoldenHack - thegoldenhack.ca — Event Organization
Tech Team Executive
- Working in **Agile** development teams to launch **Cognito** application processing systems and wesbite
- Collaborating through **Git** to use **Lambda** and **DynamoDB** to create a data pipeline for applications

Major League Hacking — Mentorship
Mentor/Judge
- Longtime volunteer for student hackathons, supporting software/hardware projects and workshops
- Organizations include: StarterHacks (Mentor), MasseyHacks (Mentor/Judge), Novartis (Gen-Z Mentor)

Awards

J. Wesley Graham National Scholarship — University of Waterloo, Mar 2019
- **1 of 10** Canadian students to be awarded an $18,000 scholarship from a pool of **over 3000 incoming students** for excellence in mathematics, computing and leadership

Deloitte Young Tech Student of the Year — Deloitte & WeTech Alliance, Sep 2019
- Awarded "Tech Student of the Year" for exceptional leadership and community service contributions to the Windsor-Essex region

Education

University of Waterloo and Wilfrid Laurier University — Sep 2019 - Present
BCS/BBA Computer Science and Business Administration (Double Degree) — *Waterloo, Ontario*
- Extracurricular Involvement
  Clubs: UW Res Council, UW Lifesaving Team, UW SERVE Volleyball, Math Orientation Leader
  Interests: Running, Bouldering, 9-Man Volleyball, Fantasy Basketball, Financial Markets, Hip Hop