Tailai Wang
Computer Science and Business Administration Double Degree Student

☐ (519) 999-4890 | ✉ tailai.wang@uwaterloo.ca | ⌨ github.com/tailaiwang | 🌐 tailaiwang.me

Technical Skills

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

Experience

Sonova Winter 2021
Software Developer Intern - iOS *Kitchener, Canada*
- Creating HIFinder application & dashboards using **Swift** and **UIKit** to enhance hearing aid usability
- Using **Django** and **Flask** to implement new API features and personalization options

knct - knct.world Jul 2020 - Present
Full-Stack Software Engineer *Lausanne, Switzerland*
- Worked closely with founders to build core community application of the **EPFL La Forge** startup
- Created new **Express.js API** features for communities & conversations, enabling increased customization
- Enhanced user experience through standardized form validation using **Typescript** and **React Formik**
- Performed **User Acceptance Testing** and **6 critical hotfixes** in weeks leading to product launch
- Led independent team to prototype **Business Intelligence API**, aggregating **3 analytics systems**

Questrade Financial Group Apr 2020 - Aug 2020
Production Engineering Intern *Toronto, Canada*
- Monitored trading & market data routing using **Splunk** dashboards to maintain **99.9% uptime**
- Cut response times by **90%** by automating **company-wide** alerts using **JavaScript** & **G-Suite API**
- Developed HRM app using **MERN** stack, enabling incident simulation training and team analytics
- Performed key data fixes for Business Intelligence on **MySQL** ledgers involving **over 10000** accounts

Projects

To The Moon - Devpost Link Hack the North 2020++
- Scraped *r/wallstreetbets* using **PRAW** on **Jupyter Notebook** to aggregate stock discussion posts
- Created data pipeline with **Pandas** and **Dropbase** to create a real-time scraping database
- Developed **Flask API** with **Google Cloud NLP** to make stock picks through market sentiment analysis
- Made **React.js** charts to showcase **almost 50** most bullish/bearish stocks traded on NYSE/NASDAQ

Taxmaps - Devpost Link WinHacks 2020
- Awarded **"People's Choice Award"** at WinHacks 2020 from a pool of **74 projects**
- A personal finance app built using **React.js, Node.js**, and **CRA Tools** to empower taxpayers with spending visualization and political tax-plan comparisons.

MomsOverMatter - lleTTonna.com lleTTonna
- Developed *MomsOverMatter*, 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
- Created standardized **Express.js** endpoints to export surveys to doctors, **halving administration time**

Leadership

The GoldenHack - thegoldenhack.ca Event Organization
Vice President of Operations (2020-2021), Full Stack Developer (2019-2020)
- Leading logistics for judges, mentors, and volunteers at Canada's first hybrid entrepreneurship hackathon.
- Worked in **Agile** development teams to launch **Cognito** application processing systems and wesbite
- Collaborated through **Git** to use **Lambda** and **DynamoDB** to create a data pipeline for applications

JDCC Laurier - cabsonline.ca Education
Academic Delegate - Digital Strategy (2020-2021)
- Represented the Laurier Case Team as an Academic Competition delegate in the **Digital Strategy** tract
- Solved and presented case problems in **digitalization**, **tech consulting**, and **business innovation**

Education

University of Waterloo and Wilfrid Laurier University Sep 2019 - Present
BCS/BBA Computer Science and Business Administration (Double Degree) *Waterloo, Canada*
- **Awards**: J. Wesley Graham National Scholarship (2019), WETech Young Tech Student of the Year (2019)
- **Clubs**: MathSoc CS Representative, UW SERVE Volleyball, Math Orientation Leader, Intramurals
- **Interests**: Running, Bouldering, Financial Markets, 9-Man Volleyball, Fantasy Basketball, Hip Hop