

# TAILAI WANG

UNIVERSITY OF WATERLOO COMPUTER SCIENCE AND BUSINESS STUDENT

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## TECHNICAL SKILLS

Languages:	Python, Swift, C/C++, JavaScript, Java, Scheme, SQL, HTML/CSS
Frameworks/Libraries:	React, Express, Node.js, Bootstrap, MaterialUI, UIKit, SwiftUI, REST, GraphQL
Data:	Matplotlib, sklearn, MongoDB, DynamoDB, Firestore, S3, MySQL

## EXPERIENCE

### Palantir Technologies

Forward Deployed Engineer Intern

Winter 2023

London, United Kingdom

- Incoming Forward Deployed Software Engineering Intern for Palantir UK

### Tile

Jan 2022 - Apr 2022

Software Engineering Intern - Platform

San Mateo, CA (Remote)

- **Introduced accessibility fonts to 100k+ users** by implementing DynamicType infrastructure
- Sped up app build time by **over 20%** by implementing XCFrameworks and compiler optimizations
- Validated algorithms for new AR features using **Ultra Wideband Data** through sklearn and matplotlib
- Improved new **micro-app architecture** by migrating deprecated core features from Objective-C to Swift

### Sonova Innovation Lab

Jan 2021 - Apr 2021

Software Developer Intern

Kitchener, ON (Remote)

- Spearheaded development & architecture of **mobile "Find My" tool** to recover and secure hearing aids
- Used Core Bluetooth and Core Location through Swift to create **3 Bluetooth Proximity features**
- **Reduced test time by 50%** by streamlining QA process for a Google Assistant Action using Flask

### Questrade Financial Group

Apr 2020 - Aug 2020

Production Engineering Intern

Toronto, ON (Remote)

- Cut response times by **90%** by automating **company-wide alerts** using JavaScript & G-Suite API
- Developed team portal using MERN stack, enabling incident simulation training and analytics
- Performed key data fixes for Business Intelligence on MySQL ledgers involving **10,000+** accounts

## PROJECTS

### Clove - [Product Link](#)

Jan 2021 - Apr 2022

- **Founding engineer** on e-commerce sustainability startup seeking funding for Toronto pilot program
- Headed implementation of pastable code snippet for **10 online businesses** using Next.js and Firebase
- Architected token management system for Shopify OAuth and Payments with a GraphQL API

### To The Moon - [Devpost Link](#)

Jan 2021 - Mar 2021

- Scraped *r/wallstreetbets* using PRAW to aggregate stock discussion posts in a **real-time data pipeline**
- Developed Flask API with Google Cloud NLP to make stock picks through market sentiment analysis
- Made React.js charts to showcase over **50 most bullish/bearish stocks** traded on NYSE/NASDAQ

### Sorcery

Nov 2020 - Dec 2020

- Two-player card game inspired by Yu-Gi-Oh/Hearthstone, played on a **C++ command line interface**
- Designed **MVC Architecture** to support multiple interfaces with reusable cards and scoring systems
- Implemented **decorator design pattern** to create player enchantments and other custom cards

## LEADERSHIP

### Hack the North - [hackthenorth.com](#)

Mar. 2022 - Present

Logistics Team Lead

- Led logistics for the **world's biggest student hackathon**, hosting **1500+** participants annually
- Managed **\$XXX,XXX** logistics budget to execute projects and assist with leading team of **40 students**

### Laurier Case Team - [lauriercaseteam.ca](#)

Aug. 2020 - Present

International Competitor (22-23), Co-Captain (21-22), Competitor - Digital Strategy (20-21)

- Training to compete internationally in Europe, Australia, and Asia against top case students
- Led 50+ students on **Canada's most decorated undergraduate case team** as academic captain

## EDUCATION

### University of Waterloo

Sep 2019 - Apr-2024 (expected)

BCS/BBA Computer Science and Business Administration (Double Degree)

Waterloo, Canada

- Awards: [J. Wesley Graham National Scholarship](#), [Deloitte Young Tech Student of the Year](#)
- Interests: Fitness, Sustainability, Hip Hop, Financial Markets, anything that ends with "ball"