

# EXPERIENCE

## Accenture | Software Engineer Intern

Jan 2020 – Apr 2020

- Currently building out decentralized health passport powered by **blockchain**
- Working extensively with **JavaScript, Python, React, Blockchain, Node, AWS**

## Deloitte | Software Engineer Intern

May 2019 – Aug 2019

- Created new product leveraging **machine learning and NLP** to extract market data from news articles saving **\$40,000** a year in analyst costs
- Built **fullstack** applications using **Python and Flask** from scratch
- Created **15+ production endpoints** to serve machine learning data
- Spearheaded design and development of brand new **React** user interface, incorporating **responsive material design**
- Built **custom search engine** to match names using fuzzy logic and string preprocessing improving match results from **40% to over 90%**
- Chosen to **present** new product to **100+ executives** at keynote

## Portfol.io | Project Manager Intern

Jun 2018 – Aug 2018

- Managed resource optimization project leading 12 week development
- **Created brand new ticket system**, time-boxing all objectives for entire team, resulting in project **completion 2 weeks early**
- Prototyped and presented designs to clients using Photoshop & AutoSketch

## Waterloop | Software Engineer Lead

Jan 2019 – Apr 2019

- Created high performant server using **Go** responsible for processing and broadcasting all pod data via **encrypted websockets**
- Developed **MongoDB** drivers and logging systems eliminating data loss and need for network callbacks **reducing traffic by 90%**
- Refined backend infrastructure enabling **autonomous driving** of pod

# PROJECTS

## Stock News Sentiment Analyzer | 🐙 1st, CAM Hacks

- Web app that calculates **sentiment** of news articles about a stock
- **Scrapes articles** off NASDAQ.com and runs them through a custom machine learning model, achieving **92% accuracy**
- Developed a scaleable backend in **Python and Flask** leveraging **multi-threading** for concurrent requests

## Optimo, Online Eye Test | 🐙 1st, Starter Hacks

- Web app to help users **calculate their glasses prescription** through online exam
- Built **custom algorithm** based on optometry research with **96% recall**
- Implemented **voice recognition** with JavaScript WebSpeech API

## Ticker-iQ, Stock Portfolio Platform | 🐙 Link

- Helps investors by analyzing their current portfolio and aids in future investments with key **metrics** and **visualizations**
- Engineered custom **REST** requests to download **hundreds of data points** in real time from NASDAQ.com

# IAN RAMZY

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# EDUCATION

B.CS Honors Computer Science

University of Waterloo

📅 Expected Grad. 2022

- **GPA : 3.7/4.0**
- President's Scholarship for 97.1% entrance average
- Michael Egan Computer Science Award, (1/500+ students)

# SKILLS

Python JavaScript Java C++

C HTML CSS BASH

Flask React AWS Git

Node Express Bootstrap

Linux Blockchain

# ACHIEVEMENTS

- 1st, Starter Hacks (500+ Teams)
- 1st, CAM Hacks (50+ Teams)
- Three-time Computer Science Award, Kingston Collegiate (700+ Students)
- 7th Globally, DECA Quantitative Finance Competition (4,000+ Teams)
- Co-organized TEDx event (300+ attendees)
- Canadian Kayaking Record Holder
- Four-time Canadian National Speed Skating Competitor
- 1,000+ GitHub contributions last year
- Managed over \$10,000 with an 18% alpha compared to S&P 500 in 2019