

Ian Ramzy

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Skills

Languages Python, Java, HTML/CSS/JavaScript, C, ActionScript, Racket, LaTeX

Tools/Technologies Flask, Git, JQuery, Bootstrap, JavaFX, JavaApplet, Azure, Web Speech API, Photoshop

Projects & Competitions

Stock News Analysis - 1st place data science project at CAM Hacks

- Web app created to analyze news surrounding a stock/company, returns how positive/negative published news is
- Scrapes relevant articles off NASDAQ.com and runs them through a custom machine learning model
- Developed a scalable back-end in Flask/Python leveraging multi-threading to handle multiple requests at once
- Created and handled data pipelines in real time using Azure for logging and tracking

Optimo - 1st place at StarterHacks

- Web app to help users benchmark their eyesight (i.e. 20/20 or 20/80) by taking an online test
- Constructed responsive web design in CSS to ensure eye tests remain accurate despite dynamic browser sizes
- Implemented voice recognition with JavaScript Web Speech API to process user voice input
- Created a custom algorithm based on optometry research to calculate eyesight

Ticker-iQ

- Stock screener & portfolio manager created using Java and styled with JavaFX & FXML
- Helps investors by analyzing their current portfolio and aids in future investments with key metrics and visualizations
- Engineered custom HTTP requests to download hundreds of data points in real time from NASDAQ.com

ianramzy.github.io

- Personal website showcasing all of my projects, built from ground up in HTML/CSS/JS
- Designed scalable and responsive design in CSS using Google's material design guidelines
- Implemented JQuery to process user inputs and fetch projects dynamically with filters

DECA Stock Market Competition - 7th Internationally

- Competed against 4,000+ teams managing a virtual portfolio of \$100,000
- Utilized multi-factor diversification and top-down-analysis combining qualitative and quantitative analysis
- Pitched my investment firm to a panel of judges, explaining key strategies like technical indicators and risk assessment

Work Experience

Boulianne Properties

Delaware, U.S.A.

JUNIOR CONTRACTOR AND PROJECT DESIGNER

Summer 2018

- Prototyped and presented designs to clients using AutoSketch
- Planned and coordinated daily and weekly objectives while working on a construction team
- Worked effectively as a team leader in high-stress environments
- Made key financial and time decisions keeping projects on time and on budget

Sydenham Lake Canoe Club

Sydenham, Ontario

COMPETITIVE KAYAKING COACH

Summer 2017, Summer 2016

- Planned and programmed workouts while managing a team for 6 hours a day
- Personally coached individual athletes resulting in 3 additional athletes qualifying for provincials
- Head coach at Canadian nationals and multi-day provincial competitions

Education

University of Waterloo

Waterloo, Ontario

B.C.S. IN HONOURS COMPUTER SCIENCE CO-OP

Sept. 2018 - Exp. Apr. 2023

- Cumulative Average: 86% (A)
- Michael Egan Scholarship in Computer Science, President's Scholarship of Distinction

Additional Info

Investing Managed over \$10,000 with an 18% alpha compared to the S&P 500 in 2018

Athletics Canadian National kayaking record holder, Three-time Canadian National speed skating competitor

Interests Painting, Speed skating, Rock climbing, Machine learning, Securities trading, Trumpet