IAN RAMZY

US & Canadian Citizen

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EXPERIENCE

Accenture | Software Engineer Intern
Jan 2020 – Apr 2020

- Engineered **Blockchain** health platform in 4 months from scratch
- Led research and development of Blockchain, leveraging **Hyperledger Indy** for **decentralized identity management**
- Architected **concurrent backend** to serve user data using **Python & JavaScript**
- Created **12+ RESTful API's** responsible for routing **95% of all application traffic**
- Built **15+** responsive and reusable **React components** for frontend
- Built **user authentication** system leveraging **OATH** and **WebSockets** for security
- **Deployed** web application to **AWS cloud** with auto-scaling
- **Migrated Blockchain** network to **servelerless** architecture with **AWS EC2**

Deloitte | Software Engineer Intern
May 2019 – Aug 2019

- Created new product leveraging **machine learning and NLP** to extract market data from news articles saving **$120,000** a year in data analysis costs
- Built **fullstack** dashboard application using **Python and Flask** from scratch
- Created **15+ production endpoints** to serve machine learning data
- Spearheaded development of new **React** UI, incorporating **responsive design**
- Built **custom search engine** to match names using fuzzy logic, improving search accuracy from **40% to over 90%**
- Chosen to **present** new product platform to **100+ executives** at keynote

Waterloop | Software Engineer Lead
Jan 2019 – Apr 2019

- **Led backend development** of low-latency vehicle systems and infrastructure
- Created high performance server using **Go** to broadcast vehicle sensor data via **encrypted WebSockets**, data included vechicle temperature and velocity
- Developed **MongoDB** database and logging systems eliminating data loss and need for network callbacks **reducing traffic by 90%**
- Refined backend infrastructure enabling **autonomous driving** of pod

Portfol.io | Project Manager Intern
Jun 2018 – Aug 2018

- Managed and designed products for **largest client project**, leading 12 week development of organizational tools
- **Created brand new order system**, time-boxing all engagements for team, resulting in project **completion 2 weeks early**
- Prototyped and presented designs to clients using Photoshop & AutoSketch

PROJECTS

Stock News Sentiment Analyzer | ⚲ 1st CAM Hacks

- **Scrapes articles** off NASDAQ.com and uses a custom **machine learning** model to predict article sentiment, achieving **92% accuracy**
- Developed scaleable backend in **Python and Flask** leveraging **multi-threading** for concurrent requests

Online Vision Asseement | ⚲ 1st Starter Hacks

- Built **custom vision algorithm** based on optometry research with **96% recall**
- Implemented **voice recognition** with **JavaScript WebSpeech**

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   Docker

ACHIEVEMENTS

- 1st, Starter Hacks (500+ Teams)
- 1st, CAM Hacks (50+ Teams)
- 3x Computer Science Subject Award, Kingston Collegiate (700+ Students)
- 1,000 GitHub contributions last year
- 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
- Managed over $10,000 with an 33% alpha in 2019