

# EXPERIENCE

## Shopify | Software Engineer Intern

Sept 2020 – Dec 2020

- Backend developer on retail point of sales team
- Engineering **REST** endpoints impacting **1 million+ customers**
- Building out **infrastructure** for Black Friday on Shopify's fastest growing product

## Facebook | Keynote Speaker

Jun 2020

- Spoke to **500+ engineers** at developer conference about Zipcall technologies

## Zipcall.io (Acquired, 250k users) | Founder

Mar 2020 - Present

- Scaled decentralized video platform to **250k users**, and sold at **19 years old**.
- Featured on **front page of GitHub, HackerNews, ProductHunt** and 15+ sites
- Offered over **\$1.1 million** in seed investments and multiple acquisition offers
- **Decentralized video chat** with unmatched video quality, latency, and security
- Features: **Screen sharing, Live Captioning, Auto-scaling video, Echo reduction**
- Built backend capable of **10,000+ concurrent video calls** using **Node & Express**

## Accenture | Software Engineer Intern

Jan 2020 – Apr 2020

- Engineered **Blockchain** health platform from scratch, leading research and development of **Hyperledger Indy** for **decentralized identity**
- **Reduced application latency by 30%** by architecting new **concurrent backend** to serve application data using **Python & JavaScript**
- Created **12+ REST APIs** responsible for routing **95% of all application traffic**
- **Redesigned 5 application pages**, building **15+ reusable React** components

## Deloitte | Software Engineer Intern

May 2019 – Aug 2019

- **Saved \$120,000** in data analysis costs by creating new platform tool leveraging **machine learning and NLP** to extract market data from news articles
- Built **fullstack** dashboard using **Python, Flask, and React** from scratch
- Created **15+ REST APIs** to serve machine learning data
- Improved application search accuracy from **37% to over 95%** by building **custom search algorithm** using **deep learning** and fuzzy logic
- Chosen to **present** new product platform to **100+ executives** at keynote

## UWaterloo Hyperloop | 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** including vehicle velocity and temperature
- **Reduced network traffic by 90%** by eliminating network callbacks from data loss through creation of **MongoDB database caching system**

## Portfol.io | Product Manager Intern

Jun 2018 – Aug 2018

- Managed and designed organizational products for **largest client project**
- Prototyped and presented designs to clients using **Figma & PhotoShop**

# IAN RAMZY


US & Canadian Citizen

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# EDUCATION

University of Waterloo

Bachelor of Computer Science

GPA: 3.7/4.0 (A-)

Honors with High Distinction

3rd year Junior: 2018 - 2022

Data Structures & Algorithms (A+)

# SKILLS

Python JavaScript Java Ruby

C/C++ HTML CSS Bash

Flask React AWS Git Node

Express Rails Bootstrap Linux

Blockchain

# PROJECTS

 **30 projects, 3K stars, 1.5K commits**

 **Stock News Analyzer**

(1st CAM Hacks, 50+ teams)

 **Online Vision Doctor**

(1st Starter Hacks, 500+ teams)

# ACHIEVEMENTS

- 2x Hackathon speaker

- 97.1% highschool average  
(advanced courses, top 1%)

- 7th Globally, DECA Quantitative  
Finance Competition (4,000+ Teams)

- Organized TEDx event (300+ people)

- Canadian Kayaking Record Holder

- Four-time Canadian National Speed  
Skating Competitor