

EXPERIENCE

Zipcall.io - 100k Monthly Users | Founder & Software Engineer

- 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 ridiculously fast backend using Node, Express, & WebSockets capable of 10,000+ concurrent calls

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 API's responsible for routing 95% of all application traffic
- Redesigned 5 application pages, building 15+ reusable React components
- Deployed web application and blockchain to AWS cloud with auto-scaling

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 application using Python and Flask from scratch
- Created 15+ REST API's to serve machine learning data
- Led development of new React User Interface, incorporating responsive design
- 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

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 including vehicle velocity and temperature
- Reduced network traffic by 90% by eliminating network callbacks from data loss through creation of MongoDB database caching system
- Enabled autonomous driving of vehicle by refining backend controls logic

Portfol.io | Project Manager Intern

Jun 2018 – Aug 2018

- Managed and designed organizational products for largest client project
- Led project to be completed 2 weeks early by creating brand new order system
- Prototyped and presented designs to clients using Figma & PhotoShop

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

🔗 Online Vision Doctor | 1st Starter Hacks

- Built custom vision algorithm based on optometry research with 96% recall

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EDUCATION

B.CS Honors Computer Science

University of Waterloo

📝 GPA: 3.7/4.0

📅 Expected Grad. 2022

- 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

- 100,000+ monthly users on zipcall.io
- 2,000+ stars across GitHub projects
- Offered \$1.1 million in seed funding
- Featured on of GitHub, HackerNews, Product, and 15+ sites
- 1st, Starter Hacks (500+ Teams)
- 1st, CAM Hacks (50+ Teams)
- 1,000 GitHub contributions last year
- 3x Computer Science Subject 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 Team Canada Speed Skating Competitor