



## EXPERIENCE

### **Coursera – Infrastructure Software Engineering Intern** Fall 2017 | Mountain View, CA, US

- Implemented architecture to modularize dependency management across 60+ apps powering coursera.org
- Optimized performance of API calls made during server rendering achieving a 40% reduction in latency
- Setup continuous integration using CircleCI & AWS to generate staging builds for Coursera's design system
- Built tooling for real user monitoring, enabling engineers to measure performance across coursera.org

### **Coursera – Growth Software Engineering Intern** Winter 2017 | Mountain View, CA, US

- Worked on universal React apps that power search & discovery, user profiles, and SEO for coursera.org
- Built promotional units for university programs, increasing visits by 300% & expressions of interest by 160%
- Contributed to engineering Coursera's design system for consistency & accessibility across the product

### **Hack the North – Organizer & Platform Lead** 2016 – 2017 | Waterloo, Canada

- Co-led the platform team, conducted hiring, 1-on-1s, mentoring, planning & execution on technical projects
- Led development of the attendee dashboard, built using React & Redux, used by over 10k people
- Analyzed attendee & event data, and built internal tools to make the event organization efficient & data-driven

### **FreshBooks – Software Developer Intern** Summer 2016 | Toronto, Canada

- Developed the Python backend for a new microservice to support banking transactions in FreshBooks
- Built the Ember frontend for new features in FreshBooks that resulted in increased user retention & activity
- Extended functionality of Python & Ruby based auth, billing, mailing, conversations, and file upload services

### **Hootsuite – Software Engineering Intern** Fall 2015 | Vancouver, Canada

- Migrated frontend to a React & Flux architecture, and built UI components to achieve modularity & scalability
- Created new REST endpoints in the PHP-based API to extend functionality & support new features

### **Mappedin – Product Design Intern** 2014 – 2015 | Kitchener, Canada

- Led design & prototyping for Mappedin's web venue management CMS, mobile apps & interactive kiosks
- Developed an internal product tracking tool using AngularJS

## PROJECTS

**React Native QR Code** – [npmjs.com/package/react-native-qrcode-scanner](https://www.npmjs.com/package/react-native-qrcode-scanner) – Module for scanning QR codes

**ClearSkies** – [github.com/moaazsidat/clearskies](https://github.com/moaazsidat/clearskies) – API for an app that determines if it's safe to fly your drone

**Gips** – [moaazsidat.com/gips](https://moaazsidat.com/gips) – A Mac OS X app and Finder extension that simplifies basic image processing

**Rememberall** – [devpost.com/software/rememberall](https://devpost.com/software/rememberall) – **Top 10 at Hack the North 2014**

Video journaling with search based on audible & visual content, built using AngularJS, Wit.ai & ReKognition

**WLP4 Compiler** – Compiler for a subset of C programming language

## EDUCATION

### **University of Waterloo – B.S. Computer Science**

2013 – 2018 | Waterloo, Canada

#### **Relevant Courses**

Algorithms, Data Structures, Functional Programs, Artificial Intelligence, Machine Learning (Coursera), Numerical Computation, Operating Systems, User Interfaces & HCI, User Experience Design, Design for Interactive Games, Information Design, Computer Networks, Distributed Systems

## SKILLS & TOOLS

### **Development**

JavaScript, Python, Rust, C/C++, C#, Java, PHP, NodeJS, Flask, Tornado, React, React Native, Ember, Angular, HTML, CSS, Obj-C, SQL, Postgres, MongoDB, RethinkDB, numpy, pandas, scipy, TensorFlow, Unity, Git, Mercurial

### **Design**

Interaction Design, User Research, Prototyping, Sketch, Figma, Framer, Invision, Illustrator, Photoshop