



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, to monitor status of all deployed kiosks

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 – API for an app that determines if it's safe to fly your drone

Gips – moaazsidat.com/gips – A Mac OS X app and Finder extension that simplifies basic image processing

Rememberalll – devpost.com/software/rememberalll – **Top 10 at Hack the North 2014**

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

C 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), Deep Learning (Coursera), Numerical Computation, Operating Systems, Distributed Systems, User Interfaces & HCI, User Experience Design, Design for Interactive Games, Information Design,

SKILLS & TOOLS

Development

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

Design

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