

# Chase Mossing

---

2-450 Highlands Blvd. W, Lethbridge, AB, T1J-5K5  
[chase.mossing@uleth.ca](mailto:chase.mossing@uleth.ca) | 403-502-1394 | <http://www.cmossing.com>

## Highlights

- I have solid command of React and React Native, as I've spent 8 months as a hired developer building a production mobile app that utilizes OIDC authorization code flow and several popular frameworks like react-native-maps, mobx, and react-query, as well as a React app that acts as a chat interface with a Conversational AI
- I've spent a 4-month internship working with Unreal, Java and Obj-C to help create a AR enabled mobile application,
- I have working knowledge of REST APIs, having spent 3 summer internships working with REST API projects, using backend frameworks such as the ASP NET Core framework and the Django framework, and client frameworks such as React/React Native and Blazor
- I'm proficient in widely used front-end technologies like HTML, CSS, Javascript, Typescript
- I have a solid understanding of general object oriented programming concepts and techniques
- I have working knowledge of docker, and have used docker, docker-compose and nginx to deploy multi-container, SSL secured apps
- I have working knowledge of creating and managing various resources through Azure, Digital Ocean, Linode and Vultr
- I have a willingness to learn any tool or technology it takes to complete a task, proved through having learned React Native, Django and Vue on the job to maintain existing code and write a new app

## WORK EXPERIENCE

### Full-Stack Web & Mobile Developer - Click & Push (May 2021 - current)

#### (Student CO-OP Position)

- Integrated OIDC Authorization Code flow authentication into a Django backend to facilitate an incoming mobile app
- Wrote prototype and production versions of a brand new React Native mobile application using industry leading libraries like react-native-maps, mobx and react-query
- Converted an existing deployment architecture to an architecture that uses docker & docker-compose for easier future scalability
- Learned Django and Vue on the job to inherit and maintain an existing codebase
- Coached a new developer in the process of learning React Native and learning the existing codebase
- Lead in the effort to set up a Kanban board which greatly streamlined development workflows
- Self-managed the process of taking a new ASP.NET Core Razor pages project from scratch to MVP, in parallel to aforementioned project
- Attended meetings with team members from other disciplines to present demos, gather and integrate product feedback, and contribute ideas on other aspects of the company

### App Developer - Revive Wellness - MyVivaPlan (Sept 2021 - current)

#### (Student CO-OP Position)

- Wrote a React webapp that acts as a chat interface for our Conversational AI
- Deployed and managed multiple resources through Azure such as a Perforce version control server, a Rasa AI server, and a server for the aforementioned React webapp,
- Aided in the development of a cross platform AR mobile app using Unreal Blueprints, C++, Java, and Obj-C

### **Web Developer - Medicine Hat Food Bank (April 2020 -May 2021)** **(Volunteer)**

- Worked with another developer to design and implement an online human resource management web app using ASP.NET Core, EFCore, MariaDB, JavaScript, jQuery and Bootstrap
- Worked with a team of web server admins to configure the app to be hosted on a docker container on a physical server
- Worked with the MH Food Bank management team to give live demos of the app at various stages of development, manage feature requests, respond to bugs, and determine timeline estimates

### **Student Systems Developer - Trad Industries (Dec 2019 - Jan 2020)** **(Student Contract)**

- Worked with a 3-person team to design and implement a cross-platform system that monitors the conditions of worm beds using Phidget sensors, a nodeMCU, SQLite and Avalonia (an open source, cross-platform implementation of WPF.NET)

### **Data Analyst Intern - Medicine Hat College (May 2019 - Sept 2019)** **(Student Internship)**

- Helped build a web application (a dashboard containing a FAQ about electric vehicles and a dynamic chart that displays various data collected from electric vehicle driving tests) using R, Shiny, HTML & CSS
- Worked closely with a professional data analyst and business development team to discuss and apply methods for data collection and analysis, find driving candidates for vehicle data collection and obtain direct feedback from the driving tests

### **Additional skills:**

- **Programming Languages:** JS/TS, C++, C#, Java, Obj-C, HTML, CSS
- **Frameworks:** React/React Native, Django, ASPNETCore, Blazor, .NET WPF, .NET Web Forms Vue, jQuery, Bootstrap
- **Database:** Entity Framework Core, SQL Server, MySQL (MariaDB), SQLite
- **Infrastructure:** Linux (Ubuntu Server), Docker/Docker-Compose, NGINX, Azure resources, other VPS services (Digital Ocean, Linode, Vultr)
- **Versioning:** Git, Perforce

## **EDUCATION**

### **Computer Science - University of Lethbridge (September 2020 - Current)**

- **Relevant Courses:** Mathematical Concepts (Set Theory, Proofs, Relations, Functions), Practical Software Development (C++, Gitlab, Atom, Unit testing, Advanced OOP, Agile Development, UML Design), Discrete Mathematics (Graphs, Trees, Discrete Probability, Induction and Recursion)

### **Information Technology (Software and Internet Development) Diploma - Medicine Hat College (Sept 2018 - Graduated April 2020)**

- **Relevant Completed Courses:** Object Oriented Programming (VB.NET, C#.NET, Winforms, WPF), Database Programming (Entity Framework, SQLServer, SQLite), Dynamic Web Applications (Web Forms, Razor Pages), Systems Analysis and Design (Phidget Sensors, NodeMCU ESP 8266, Arduino, UML Design, C# w/ winforms and WPF, Git/GitHub), Web Servers (Razor Pages, MariaDB, HTML/CSS/JavaScript)

## **HOBBIES AND INTERESTS**

- Snowboarding - I've been riding for 19 years and counting. I just bought a splitboard this summer and plan to start backcountry touring this season!
- Mountain Biking - I bought a full suspension mountain bike 5 years ago and find myself more addicted every year.

## REFERENCES

### **Nathan Maeda**

- Supervisor - Click & Push Accessibility
- 780-492-1858
- [nathania@ualberta.ca](mailto:nathania@ualberta.ca)

### **Donovan Hoggan**

- Former Administrator - Medicine Hat Food Bank
- 403-580-6666
- [donovan@hoggan.ca](mailto:donovan@hoggan.ca)

### **Alex Zanidean**

- Data Analyst - Medicine Hat College
- 403-866-7837
- [azanidean@mhc.ab.ca](mailto:azanidean@mhc.ab.ca)