

Chase Mossing

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EDUCATION

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

- **Relevant Courses:** Mathematical Concepts (Set Theory, Proofs, Relations, Functions)

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

- **Relevant Completed Courses:** Object Oriented Programming, Database Programming, Dynamic Web Applications, Systems Analysis and Design, Web Servers

Civil Engineering - University of Alberta (2014 - 2017)

- **Relevant Completed Courses:** Programming with MATLAB, Structural Analysis with Mathematica, Linear Algebra, Calculus 3, Differential Equations, Technical Writing and Communication

SKILLS PROFILE

Technical Skills

- **Programming Languages:** C#, JavaScript, some PHP, some python
- **Web Development:** ASP.NET Core, Vanilla JS, jQuery, HTML, CSS, Bootstrap, some Blazor
- **Desktop Development:** .NET WPF, .NET Web Forms
- **Database Technologies:** Entity Framework Core, SQL Server, MySQL (MariaDB), SQLite
- **Mobile Development:** some Xamarin
- **Game Development:** some Unity

Soft Skills

- **Creativity and problem-solving skills** obtained from working in various environments like retail, high level educational scenarios, pressurized management scenarios, autodidactic ventures, and many other experiences.
- **Strong technical communication skills** cultivated through experience working on various technical teams (e.g. a college research and development team, various student project teams and a concrete tank design and production team)
- **The ability to empathize with, have patience for and effectively listen to clients, customers and co-workers** chiefly obtained from multiple years of experience in the retail industry
- **Solid project management and leadership skills** garnered from leadership roles in student software projects and a volunteer software project, developing a QC regiment for concrete tanks, and managing a 5-person concrete tank production team

RELATED WORK EXPERIENCE

Volunteer Web Developer - Medicine Hat Food Bank (April 2020 - current)

- 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 (Contract based) - Trad Industries (Dec 2019 - Jan 2020)

- 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)

- 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 WORK EXPERIENCE

Sales Associate - Home Depot (March 2018 - May 2019)

- Provided high quality customer service in the Lumber & Building Materials and Millworks department through regular sales engagements and quotes for custom projects.
- Gained knowledge of standard home improvement methods and materials
- Built basic handyman skills through operation of a panel saw and mitre saw
- Refined customer service skills such as effective listening, responding with a friendly and helpful demeanor and providing an overall positive shopping experience

Civil Engineering Intern - Tanks-A-Lot (May 2016 - December 2016)

- Performed various tasks on an industrial concrete tank production line
- Drafted various custom concrete tank designs
- Managed a 5-person production crew to successfully meet project timelines
- Developed a concrete tank QA/QC regime using a digital auditing platform.

HOBBIES AND INTERESTS

- Light game development - I'm currently working on an unnamed, cyberpunk/dinosaur themed 2D action shooter built with Unity (very early stages)
- Snowboarding - I've been riding for 19 years and counting.
- Mountain Biking - I bought a full suspension mountain bike 5 years ago and find myself more addicted every year.

REFERENCES

Donovan Hoggan

- Former Administrator - Medicine Hat Food Bank
- 403-580-6666
- donovan@hoggan.ca

Merl Mayer

- Supervisor - Medicine Hat College
- 403-952-7999
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Alex Zanidean

- Data Analyst - Medicine Hat College
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