

# Marko Mijovic

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## EDUCATION

**UNIVERSITY OF CALGARY**  
MENG IN SOFTWARE ENGINEERING  
May 2021-Ongoing | Calgary, AB

**UNIVERSITY OF CALGARY**  
BACHELOR OF SCIENCE  
Sep 2016-May 2021 | Calgary, AB  
Major: Mechanical Engineering  
Minor: Mechatronics  
cGPA: 3.87 / 4.0

## SKILLS

### SOFT SKILLS

**Self-Starter** • Took initiative to increase work/product quality and learn new skills  
**Leadership** • Was an engineering VP of a university club that competed internationally  
**Communication** • Presented work related results to clients and senior management  
**Public Speaking** • Delivered engineering club recruitment speech to hundreds of students

### PROGRAMMING LANGUAGE

Python3 • Java • Javascript(ES6) • HTML  
CSS • C • MATLAB

### WEB DEVELOPMENT

React • Node.js • Express.js • JQuery  
MongoDB / Mongoose • EJS

### DATA SCIENCE

Pandas • Numpy • PowerBI

### MACHINE LEARNING

Scikit-Learn • PyTorch • Azure ML Studio

### CLOUD

Microsoft Azure

### TOOLS

Git • Docker • SolidWorks

## EXTRACURRICULAR

### ACADEMIC

- VP Mechanical Engineering and Project Manager at Schulich UAV
- Dean's List 2016/17/18/20

### HACKATHON

- 2nd Place Insurance Institute of Canada Student Hack
- HYL Summer 2021 Hackathon

## WORK EXPERIENCE

### ALTAML | MACHINE LEARNING DEVELOPER INTERN

July 2021 – Sep 2021 | Calgary, AB

- Worked on a \$20M/yr ROI machine learning project and brought an idea to proof of concept functional product
- Coordinated with the client on technical aspects of the project and set mutual business expectations / measures of success
- Utilized mechanical engineering experience to transfer the subject matter knowledge and effectively implement it in the code
- Developed production ready, scale-able, and maintainable code following AGILE methodology
- Implemented various statistical machine learning frameworks in Python and Microsoft Azure Machine Learning Studio

### TC ENERGY | RISK AND ENGINEERING STRATEGY INTERN

May 2019 – Aug 2020 | Calgary, AB

- Built ETL pipelines to automate data analysis, visualization, and management reporting using Python
- Saved time of management and senior engineers
- Showcased his work in a company wide lunch and learn event

### HEATLINK | ASSISTANT PRODUCTION MANAGER

May 2018 – Aug 2018 | Calgary, AB

- Improved product quality by designing a fatigue-inducing mechanism whose data helped management's decision making process

## PERSONAL SOFTWARE PROJECTS

### FINANCE NEWSLETTER | WEBSITE, GITHUB

JavaScript, Node.js, Express.js, Bootstrap, Stripe API

- Built a full-stack mock-up finance newsletter subscription service
- Integrated Stripe payment API and Mailchimp email services API

### TO-DO WEB APP | WEBSITE, GITHUB

JavaScript, Node.js, Express.js, EJS, MongoDB, Mongoose

- Developed a to-do list web app tracker using Node.js and Express.js
- Implemented MongoDB database in Node.js with Mongoose

### PERSONAL BLOG | WEBSITE, GITHUB

JavaScript, Node.js, Express.js, EJS, Bootstrap, MongoDB, Mongoose

- Created a personal blog site with dynamic templates using Express and EJS, and connected it to MongoDB with Mongoose

### SORTING VISUALIZER | WEBSITE, GITHUB

JavaScript, React

- Made a react web application with Node.js in which the user can visualize selected sorting algorithms
- Implemented Selection, Bubble, Insertion, Merge, and Quick Sort

### SIMON GAME | WEBSITE, GITHUB

JavaScript, jQuery, HTML, CSS

- Created a JavaScript mimic of the memory skill game Simon