

Jesse Dahl

✉ jessedahl@montana.edu | ☎ 406-799-0947 | 📍 Bozeman, MT | 🌐 jessedahl.me

Education

Montana State University

BS IN COMPUTER SCIENCE W/ MINOR IN MATHEMATICS

GPA: 3.46

Bozeman, MT

August 2017 – December 2021

(Anticipated)

Work and Research

Miltech

FULLSTACK WEB DEVELOPER

- I am currently working with a team of other engineers to develop a platform known as Virtual Industry Day (VID). This platform simplifies the process for government agencies, such as the DoD, to scout and vet potential technology solutions
- Throughout my time with this team, I have been assigned to many projects, such as: developing multiple feedback forms, redesigning and engineering a new dashboard for users of the platform, testing and restructuring our backend codebase, and creating a cataloging page that simplifies the process of finding technologies that best suit each user depending on their interests
- Tools and frameworks used: React.js, Express.js, Node.js, JavaScript, MySQL, Docker

Bozeman, MT

May 2020 – Present

Sellout

FULLSTACK WEB DEVELOPER INTERN

- I worked on components for Sellout's rebranded website such as a calendar widget that is unique to each user and alerts them when they have upcoming events, dynamic banners for individual pages, and a messaging system to answer client's questions
- I learned how to work with a group of software engineers in a professional environment where AGILE methodologies were implemented
- Tools and frameworks used: React.js, Express.js, Node.js, JavaScript, MongoDB, GraphQL

Bozeman, MT

August 2019 – December 2019

Streamline Solar Stops

FULLSTACK WEB DEVELOPER AND HEAD OF DESIGN

- This was a project founded by students at MSU to upgrade the current Streamline bus system in Bozeman by integrating solar panels with each bus and upgrading the bus stops
- I created all of the dynamic pages on the Streamline Solar Stops website, a server for the website.
- I also led a small group consisting of underclassmen who continued to contribute towards the website and software for this project
- Tools and frameworks used: React.js, Node.js, Express.js, JavaScript, MongoDB, Firebase

Bozeman, MT

August 2018 – August 2019

Montana State University Psychology Research Assistant

APP/WEB DEVELOPER

- I created an app for a Montana State University psychology professor to create and send surveys to select participating members with the goal to streamline his research.
- Tools and frameworks used: Dart/Flutter for mobile app and React, NodeJS, and MongoDB for web app

Bozeman, MT

August 2018 – August 2019

Montana State University Statistical Learning Research

STATISTICAL LEARNING AND APPLICATIONS WITH MACHINE LEARNING

- Throughout this research opportunity, I learned how to apply statistical models to real world situations, use statistical methods to train data, and how to apply these methods to machine learning.
- I primarily focused on creating and training decision trees and clustering methods to make predictions based on inputs that I gave to these models.

Bozeman, MT

January 2019 – May 2019

Skills

Programming Languages: JavaScript, Python, Java, Dart, C

Technologies and Frameworks: React, NodeJS, ExpressJS, MySQL, MongoDB, Docker, Firebase, Git

Relevant Coursework

Data Structures and Algorithms, Computer Systems, Database Systems, Software Engineering, Computer Science Theory, Concepts/Programming Languages, Discrete Structures, Calculus I-IV, Applied Mathematics, Techniques of Applied Mathematics, Intro to Linear Algebra,