

RYAN J. FASCHING

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EDUCATION

- **Bachelor of Science in Computer Science** *August 2014 – Present*
- *University of Colorado, Boulder*
- **3.35 GPA out of a 4.0** scale in major of Computer Science (B.S.).

TECHNICAL SKILLS

- Coding: C/C++, Python, Scala, Javascript, Tensorflow, Keras, x86 assembly, Java, HTML
- Environments/Technologies: SQL Databases (MySQL, PostgreSQL), NoSQL Databases (Mongodb), Ssh, Shell scripting (Bash), Nodejs, Reactjs, Foreverjs, Plotly, Docker, Amazon Web Services, Linux, Windows

RELEVANT COMPLETED COURSEWORK

- Principles of Programming Languages, Data Mining, Network Systems, Object Oriented Programming Design and Analysis, Algorithms, Operating Systems, Software Development Methods and Tools, Data Structures, Database and Information Systems, Computer Systems and Discrete Structures.

PROJECTS/EXPERIENCE

- **Assisted OSM editor Sponsored by Trimble - Still involved heavily**
 - Implemented server side to retrieve data from NAIP and OSM automatically
 - Then store in DB (AWS) for future use in Neural Net if not a repeat entry
 - Tensorflow and Keras to train a model to identify if a tile from NAIP imagery has a building present
 - Involved retrieving OSM data as well as NAIP imagery
 - Categorizing NAIP tiles for training and testing data
- **Data Analytics project for Data Mining**
 - Analyzed cryptocurrencies for market analysis using Python
 - Pre-processes data sets accordingly using Pandas
 - Used Plotly for data visualizations
- **Volunteer internship at small startup (Shapevibe) - Still Involved when available to**
 - Nodejs, Express, Passportjs, Amazon Web services with t2.micro instance using Ubuntu
 - Implemented Docker image on the t2.micro instance for Mongod
 - Implemented bash scripts for easy startup
- **Barebones website imitating Yelp for OOP**
 - Used Nodejs and Express
 - Used the MVC design pattern
 - Implemented basic functionality (add review, make account, view all business, etc.)

LEADERSHIP EXPERIENCE

- **Volunteer Coach, Roller Hockey** *December 2013 to August 2015*
 - Coached kids ages 4 to 14; communicated with parents as well
 - Served as head coach for teams at numerous teams

ADDITIONAL

- **Volunteer, Aurora Animal Shelter** *June 2014 to August 2015*
 - Served as a dog walker/ companion for numerous sheltered and frightened dogs
 - Cleaned up after dogs on walks and in their kennels
 - Learned how to adapt to different situations; variety of dogs
- **Floor Worker, Elvis Cinemas** *Summer 2016 and Winter Break 16'-17'*
 - Managed responsibilities of cashier, usher, clean-up crew, box office
 - Gained insight into how to handle challenging customers

HOBBIES: Fly Fishing, ALPINE SKIING, ICE HOCKEY