

# Alexander Moss

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## EDUCATION:

**University of Colorado at Boulder, School of Engineering**

*B.S. in Computer Science*

*Minor in Economics*

**GPA 3.93** | Deans list 2019-present

Expected May 2023

*Boulder, CO*

## WORK EXPERIENCE:

**Travelport**

*Software Developer*

May 2022 to November 2022

*Denver, CO*

- Created multithreaded programs in C to analyze response times from servers.
- Created REST APIs using C# and Java in an agile environment.
- Started as an Intern and got offered a position as a Software Developer.

**Chautauqua Dining Hall**

*Banquet Captain and Server*

April 2021 to January 2022

*Boulder, CO*

- Successfully oversaw and executed many weddings, corporate events, and celebrations of life.
- Alongside being a captain of events, I was a server in the restaurant. I was able to provide excellent customer service while multitasking in a fast-paced environment.
- Promoted on five occasions within the span of four months.

## SKILLS AND INTERESTS:

**Technical:** Experienced in Node.js, SQL, MongoDB, JavaScript, C/C++, Python, Docker, and GitHub.

**Methodologies:** I have worked with many groups in the past and I am familiar with Agile and GitHub strategies.

**Interests:** Alongside my computer science major I am dedicated to take economics classes out of personal interest. In doing so, I have taken enough to achieve a minor in economics. I am currently employed at the University of Colorado in the economics department as a tutor for undergraduate economics courses.

## PROJECTS:

**Expedia Capstone:** *Currently ongoing*

- Senior Design Capstone at University of Colorado.
- Technical lead for the design, creation, and presentation of a web application to be delivered to Expedia Group.
- Contributed to an agile project on both frontend and backend. Made significant contributions in Node.js, React, MongoDB, Express.js, and helped host the project on AWS.
- Learned project management and design tools such as Figma, Trello, and Miro.

**Pixel Bar:** *Currently not hosted online*

- This website shows where in the world a type of cocktail is mentioned on Twitter the most.
- The website uses the Twitter API to aggregate tweets and display on a map where in the world they appear most often. The website is designed to handle tens of thousands of incoming tweets from Twitter. I created the Node.js server, the database, and transformed the data. In addition, I helped with the design of the website and worked on dynamically displaying the data.
- The website is containerized using Docker and it uses the Twitter API and the CocktailDB API. The website was hosted on GCP and uses a Mongo Atlas as our DB. The server is built using Node.js.

**Goûter Recipe Finder:** *Currently not hosted online*

- This is the first website I created that allows users to search for recipes and leave reviews. Go to the reviews page to see the reviews or search for a recipe and add a review yourself.
- The website is containerized using Docker and it uses a rest API to get real time data from a recipe database. The reviews are stored on a SQL database that I created and am hosting on Heroku using a Node.js server.

**Buff Bikes:** *Currently not hosted online*

- This is a website I created with a group of students that allows you to track an Arduino device around the University of Colorado at Boulder. The device is connected to WIFI and will update its location when moved.
- The intention for the project was to inhibit bike theft on campus. To do this one will attach this device to their bike and set the device to "lock mode." If the device senses movement, you will be alerted via email and can track its location on the website. It is deployed using firebase.