# ZACHARY A. CHAN

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## EDUCATION

**UNIVERSITY OF COLORADO BOULDER, Boulder, CO**

Bachelor of Science Candidate, Major in Information Science, Minor in Business Analytics    May 2021

Cumulative GPA: **3.5**

**Relevant Courses:** Quantitative Reasoning, Computational Reasoning, Computational Reasoning 2, Information Exploration, Information Ecosystems, Online Communities, User-Centered Design, Information Exposition

## LEADERSHIP

**Founding Member and Service Volunteer**

ALPHA KAPPA LAMBDA FRATERNITY, Boulder, CO    2017-Present

- Actively volunteer at the Safehouse of Boulder County, a domestic abuse shelter for women, in fundraising events and assist in their moves to temporary housing

## EXPERIENCE

**Founder and Marketing**

MR. BUTTER SKIS, Lexington, MA    2017-Present

- Created a social media identity and website to promote skiing and surfing
- Positively grossed off clothing and soft goods
- Designed and implemented surf and ski wax

**Sales Associate**

Sun & Ski, Woburn, MA    Dec. 2019-Present

- Aid customers for specific outdoor needs and activities
- Grossed upwards of $8,000 of our product in a single shift
  - (Accounts for ~50% of stores daily average of sales)
- Organize and maintain inventory
- Tune and mount skis and snowboarding equipment
- Help manage and direct sales of nationwide stores
  - Overseen by manager, overall increased stores reach and sales

## SKILLS / ACCOMPLISHMENTS

- Python
  - graphical visualization(pandas, matplotlib,seaborn), GeoPandas, Regression, Spatial data plotting and visualization, lognorm color mapping
  - Projects:
    - Coded a program that looked at nationwide Covid-19 API data with a weather API to see how specific aspects of weather associates with high and low covid results, presenting findings using heatmap graphical visualizations
    - Created a Spotify search tool using spotipy to look at numerical values of artists songs and words, then made dictionaries to easily pull the results
    - Coded a heatmap and histogram and multiple plots to look at all counties in the US's cannabis sales and their relationship to the crime rates of those areas
    - Created a code using the Wikipedia API to visualize page revision data and frequency
    - built a code to clean and organize every elections voting results in Colorado by county then made a colored visualization of the results
    - Used plotting, serialization, pivot tables, merges, and clean to better organize my python dictionaries and data
- Tableau
  - Used tableau to create data visualizations to better understand datasets and information
- Excel
  - Created a twitter scraper from the Twitter API to look at specific tweets or users using keywords and phrases
- Technology Skills: Python, C++, SQL, SQLite, Tableau, Big Query, data mining, Web design and development, Adobe Creative Cloud, Google Analytics for Power Users Certification