

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: **3.71**

Relevant Courses: Quantitative Reasoning, Computational Reasoning, Computational Reasoning 2, Information Exploration, Information Ecosystems, Online Communities, User-Centered Design, Information Exposition, Special Topics in Computer Science

- **Technological Skills:** Python, HTML, Javascript, C++, SQL, SQLite, Tableau, Big Query, data mining, Adobe Creative Cloud

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, Boulder, CO 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 associated 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
 - Programmed a code using the Wikipedia API to visualize page revision data and frequency
 - Developed 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
 - Built a code to clean and organize every elections voting results in Colorado by county then made a heatmap to help visualize the election results
 - Used plotting, serialization, pivot tables, merges, and clean to better organize my python dictionaries and data
- Tableau
 - Done multiple projects using Tableau to create data visualizations using relationships in the data to create meaningful visualizations for an average user to understand
- Excel
 - Created a twitter scraper from the Twitter API to look at specific tweets or users using keywords and phrases