

# Chenke (Alex) Bai

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## Education

### UNIVERSITY OF COLORADO BOULDER

**AUG-2018 – CURRENT | EXPECTED GRADUATION YEAR - 2022 | BOULDER, CO**

- Bachelor of Science in Information Science
- Minor in Business

## Relevant Programing Skills

- Python (3 Years Experience)
- C++ (1 Year Experience)

## Relevant Working Experience

### DATA ANALYTICS INTERNSHIP | ANT GROUP | REMOTE | AUG 2021 - CURRENT

- Cleaning, reshaping, analyzing, and visualizing e-commerce data using Python and SQL
- Conducting market case study and producing slidedeck report using HTML and JavaScript
- Using Python's machine learning "Scikit Learn library's" K-means, linear regression, and logistic regression algorithms to build user's financial credit predictive models.

### STUDENT RESEARCH ASSISTANT | CU BOULDER | MAR 2019 - DEC 2019

- Collect and organize parents' interview data on children's use of computational toys and apps for educational qualitative research.
- Analyze qualitative data samples by conducting a thematic analysis on 18 interview documents.
- Utilize MAXQDA and Google Drive to model results, generate reports and store data.

## Related Project

### CLASS PROJECT (POINT PLOT & HEATMAPS) | FEB 2020 – FEB 2020

- Use .pandas library, geopandas library, and numpy functions to read and process data in Jupyter Notebook.
- Generating Heat map by reshaping data set into pivot tables.
- Generating point plot on basemap in Jupyter Notebook using geoplot and matplotlib.

### STUDY GAMER'S BEHAVIOR THROUGH ACHIEVEMENT DATA (STEAM) | NOV 2019 – DEC 2019

- Use Python on Jupyter Notebook to pull API data in JSON format, then clean and reshape the data frame using the pandas library.
- Visualize data from Valve Developer Community using the matplotlib, seaborn and python.core.display library. (Project in Github).

## Publication

Yu, J., Bai, C. & Roque, R. (2020) Considering Parents in Coding Kit Design: Understanding Parents' Perspectives and Roles. In the ACM Conference on Human Factors in Computing Systems (CHI '20), Honolulu, HI, USA. (<https://dl.acm.org/doi/abs/10.1145/3313831.3376130>)

## Volunteering Experience

### VOLUNTEER | CU BOULDER | AUG 2019 – AUG 2019

- Volunteered over 13 hours in 3 days helping with move-in for incoming students.
- Removed trash and debris from the field, parks and other public locations.

## Skills

Data Script using python, Data Visualization in Python, Data Evaluation, Quantitative analysis, Experienced in SQL, HTML, JavaScript, Non-Verbal & Verbal communication, Motivational, Prioritizing.