

CHIEMI KATO

Applied Mathematics Undergraduate at SFSU

OBJECTIVE:

To obtain a position in the field of Data Analytics to learn more about delivering insights and action-oriented solutions to complex business problems. My experience as Student Researcher at SFSU and completion of advanced projects relevant to this internship ensure I can make a positive contribution to your company.

TECHNICAL SKILLS

LIBRARIES:

- NumPy, SciPy, SymPy, Matplotlib, Pandas
- Dplyr, MASS, Knitr, Boot, Class

MODELS:

- Linear Regression, Logistic Regression, KNN, Cluster Analysis, LDA, additional Supervised Learning methods

APPLICATIONS:

- Machine Learning, Statistical Analysis, Data Processing and Cleaning

LANGUAGES/PROGRAMS

- Python
- R
- SAS
- SQL
- Microsoft Office, Microsoft Excel

GET IN TOUCH!

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EDUCATION

San Francisco State University Class of 2020, GPA: 4.0

Bachelor of Science in Applied Mathematics | Expected Graduation Spring 2020

- Related coursework: Categorical Data Analysis, Intro to Statistical Learning & Data Mining, SAS Programming, Advanced Python, Numerical Analysis, Data Structures and Algorithms, Probability and Statistics, Concepts of Probability, Information Systems

Hackbright Academy

Python Programming Bootcamp | Fall 2018

- Intensive coursework in Python programming in topics including control flow, objective oriented programming, comprehensions and data structures
- Constructed computerized Alarm Clock as part of final course project

WORK EXPERIENCE

Student Researcher for Federico Ardila in Algebraic Combinatorics Project

SFSU Department of Mathematics | Dec 2018 - Present

- Evaluate the spectra of tropical Laplacians that arise from four families of tropical surfaces of root polytopes to confirm the generalized Hodge Conjecture
- Write Python programs and build algorithms to generate data for analyzing patterns
- Prove theorems and present findings to other researchers in the community

Server

Yuzuki Japanese Eatery | Feb 2017 - Jun 2018

- Greeted, escorted, and tended to guests at high-traffic, Michelin-rated restaurant in the Mission District
- Trained new team members in staff protocols and service standards, and managed inventory

ACADEMIC PROJECTS

Instacart Market Basket Analysis Kaggle Project

SFSU Statistical Learning & Data Mining Project | 2019 - Present

- I work extensively with supervised learning methods in R to evaluate Instacart transactional data (such as product category and time of day of order) to make predictions about future shopping patterns
- Cleaned and organized multiple data sets consisting of 3 million grocery orders from 200,000 Instacart users

NHANES Data Set Survey Analysis

Analysis of Public Health Data Set for SAS Programming Course | Fall 2018

- Conducted statistical analysis and performed data extraction and manipulation over large relational data set (10,000 observations over 779 variables) using SAS
- Investigated and interpreted data to draw conclusions on the effectiveness of diet and physical activity on health

AWARDS

- David Meredith & Friends Scholarship, SFSU College of Science & Engineering, October 2018
- SFSU Dean's Honors List, December 2018