

# AUSTIN MAC

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## EXPERIENCE

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### Roblox

June 2020 - August 2020

*Software Engineering Intern*

- Summer 2020

### Interview Query

October 2019 - May 2020

*Data Science Intern*

- Set up web scraping automation for collection of interview data (AWS, BeautifulSoup, Selenium)
- Created visualizations and distributions of web quiz results (Seaborn)
- Developed NLP data pipeline for interview question classification (FastText)

### RentZend

July 2019 - September 2019

*Engineering Intern*

- Analyzed property data for generation of unique web content
- Designed market statistics web pages and landing pages (CSS, HTML, JavaScript, Sketch)
- Automated collection of property data for analysis and landlord contact information for marketing campaigns (BeautifulSoup, Selenium)

### MesoAmerican Research Center

April 2019 - October 2019

*Data Analyst*

- Performed exploratory data analysis of ceramic data from El Pilar
- Built visualizations and created distributions (Seaborn)
- Utilized random forests to clean data and remedy inconsistencies (SciKit-Learn)

## PROJECTS/RESEARCH

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### NoTP

Web app based on Django stack for donating toilet paper to others in need. Backend development with Python, Django, MySQL. Frontend development with HTML, CSS, JavaScript.

### the drop. (2nd Place @ SB Hacks 2020)

GPS location based Venmo scavenger hunt game for web, Android, and iOS developed at annual UCSB Hackathon. Implemented back-end database (Firestore), trigger functions (JavaScript), automated SMS system (Twilio API), scheduled releases (CRON). Find at [dropabit.ch](https://dropabit.ch)

### Airbnb Machine Learning

Supervised machine learning to predict prices of Airbnb properties in New York. Random Forests, Bagged/Boosted Models, Radial/Polynomial Kernel SVM, KNN, Regularization, LDA/QDA, Models optimized with K-fold Cross Validation (R). Visualization and dashboard with Tableau.

## EDUCATION

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### University of California, Santa Barbara

Sep. 2018 - Jun. 2022

*Computer Science, Statistics & Data Science*

- GPA: 3.68/4.00

## SKILLS AND STRENGTHS

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### Languages

Python (SciKit-Learn, Seaborn, FastText, BeautifulSoup, Selenium, Pandas, NumPy), R, SQL, C++, HTML, CSS

### Software & Tools

MS Office, LaTeX, Sketch, Trello, Google Analytics, Tableau