

# AUSTIN MAC

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## EXPERIENCE

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### **Interview Query**

October 2019 - Present

*Data Science Intern*

Data management and collection, web scraping online job listings (Python, Selenium, BeautifulSoup), creation of data pipeline into web app, analysis of job listing data.

### **RentZend, Inc.**

July 2019 - September 2019

*Engineering/Operations Intern*

Analysis of RentZend property data for search engine optimization (Python, PostgreSQL), creation of market statistics web pages using Sketch, web scraping (BeautifulSoup/Selenium), marketing, video editing (Final Cut Pro X), tenant acquisition, lease signing, agent/landlord communication.

### **MesoAmerican Research Center**

April 2019 - October 2019

*Data Analyst*

Quantitative data analysis of data from El Pilar, an ancient Maya city in Belize. Use of R, Python, SQL, Microsoft Access, Microsoft Excel to clean, visualize (Seaborn), predict (SciKit-Learn). Reports written in Markdown.

### **My Bunny Valentine LLC**

October 2018 - Present

*Logistics Manager*

Shipment and order management, road show and exhibition organization, and inventory management.

### **UCSB Gevirtz Graduate School of Education**

September 2018 - December 2018

*Data Analyst*

Qualitative data analysis of teacher interviews from the CalTeach program.

### **Academic Tutor**

August 2016 - September 2018

*Math, Physics Tutor*

Tutor for Algebra I, Geometry, Algebra II, Trigonometry, Calculus. Year-round tutoring.

### **UC Berkeley Academic Talent Development Program**

June 2016 - July 2016

*Teaching Assistant*

Teaching assistant for Algebra II/Trigonometry. Graded final exam, midterms, homework. Provided office hours for academic support. Copied, distributed, recorded assignments and reported attendance.

### **Orinda Care Center**

August 2015 - September 2017

*Head Volunteer*

Provided holistic care for patients, including reading, talking, showing films, games. Served meals and created documents for staff and inventory checks.

## EDUCATION

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### **University of California, Santa Barbara - Santa Barbara, CA**

*September 2018 - June 2022*

Bachelor of Science

Majors: Statistics and Data Science and Mathematical Science

### **Diablo Valley College - Pleasant Hill, CA**

*June 2018 - July 2018*

Summer Course: Linear Algebra

### **University of California, Berkeley - Berkeley, CA**

*June 2016 - August 2016*

Summer Course: Multi-Variable Calculus

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**ACADEMIC ACHIEVEMENTS**

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<b>1st Place</b> Golden Gate Speech Association State Qualifier	March 2018
<b>3rd Place</b> Orinda Rotary Speech Contest	January 2018
<b>15th Place (State Semi-Finalist)</b> California High School Speech Association State Tournament	May 2017
<b>2nd Place</b> Golden Gate Speech Association Individual Events Tournament	January 2017

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**RELEVANT COURSEWORK**

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<b>Statistics</b>	Programming in R, Data Science Principles, Hypothesis Testing, Confidence Intervals, Regression Analysis
<b>Mathematics</b>	Multi-Variable Calculus, Computational Linear Algebra Differential Equations, Proof Based Linear Algebra, Real Analysis
<b>Computer Science</b>	Linked Lists, Binary Search Trees, Git, Object Oriented Programming, Time Analysis, Recursion

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**PUBLICATIONS**

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Mac, Austin R. **Don't Get Stuck.** *Starting Lines.* 2019

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**RESEARCH PROJECTS**

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**Ceramic Classification & Data Cleaning**

Classified ceramics based off of variables *Form* and *Group*. Ceramics with conflicting variables were sorted by other factors using machine learning (SciKit-Learn, Pandas).

**Jar Analysis**

In order to sort jars into narrow and wide groups based off of rim diameter and group number, R, Python (Seaborn, Pandas), and Microsoft Access were utilized to perform quantitative data analysis.

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**SKILLS AND STRENGTHS**

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<b>Languages</b>	Python, R, SQL, Java, C++
<b>Software &amp; Tools</b>	MS Office/Access, LaTeX, Sketch, Final Cut Pro X, Markdown
<b>Public Speaking</b>	2017 State Semi-Finalist, 4 Years Competitive Speech and Debate

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**HOBBIES**

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<b>Running</b>	Check out my Strava @ <a href="https://www.strava.com/athletes/mac_austin">https://www.strava.com/athletes/mac_austin</a>
<b>Hiking</b>	
<b>Piano</b>	
<b>Rabbit Rescue</b>	