

# Sarah M. Johnson

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## WORK EXPERIENCE

### **Software Engineer** Bond Financial Technologies

9/19 - 5/21

- *Backend*: Built financial APIs in Python using Flask, Django, CircleCi, and Sentry  
Led the build of multiple products from conception to monitoring in production  
Owned the integration with vendors such as Plaid
- *DevOps*: Coded in Terraform to create a secure, stable, and scalable infrastructure  
Utilized Kubernetes, AWS, Rancher, Datadog, Pagerduty, Pingdom, and ThreatStack
- Passionate about writing clean code and documenting changes in order to iterate quickly and effectively
- Started a Culture Team and continue to lead the company in efforts to prioritize inclusivity and diversity
- Joined Bond as the second backend engineer - comfortable with ambiguity in early-stage startups

### **Machine Learning Engineer** SynapseFi

2/18 - 9/19

- Worked collaboratively with my teammates to build, test, and push financial technology apps to production (processing \$10B+ in transactions for 1.5M end users)
- Managed large datasets for deep learning projects — adhered to sensitive data handling standards, sourced data, managed a team of data-labelers, performed quality control, and followed data security protocols
- Wrote scripts in Python to report daily statistics concerning the quality and quantity of the data
- Trained deep learning computer vision models (OCR, Facial Recognition, and Segmentation)

## EDUCATION

### **University of California, Berkeley**

Graduated December 2018

Cognitive Science B.A., Gender & Women's Studies B.A.

## RESEARCH

### **Undergraduate Researcher - Neuroscience** Bishop Affective Cognitive Neuroscience Lab 5/16 - 1/18

- Researched the brain basis of attentional function and trait vulnerability to anxiety — utilizing electrical shock aversive learning
- Worked with a graduate student to build a computational model using fMRI neuroimaging data that localized emotional stimuli in the brain
- Collated eye-tracking and skin conductance data with Excel and R and reported statistics using Python

### **Undergraduate Researcher - Immunology** Raulet Molecular and Cell Biology Lab 6/15 - 10/15

- Researched how natural killer cells and T cells recognize and destroy cancer cells and infected cells and how their recognition apparatus is coordinated with the differentiation of immune cells

### **Undergraduate Researcher - Gender & Women's Studies** Thesis Project 4/17 - 12/18

- Researched trends in the success of women and underrepresented minorities in Computer Science at Cal
- Secured ethical approval, recruited participants, administered questionnaires and in-person semi-structured interviews with students, professors, faculty, and industry leaders
- Wrote a 40-page research report, and presented my findings to stakeholders
- Computer science faculty continues to utilize my diversity and inclusion questions to assess progress

## LEADERSHIP

### **House President** Led 20 Managers in a Diverse 140-Member Student Cooperative

5/17 - 1/18

- Designed, planned, and facilitated weekly house council presentations and bi-monthly manager meetings
- Implemented project management, policy compliance, conflict resolution, and inclusivity