

# MARISSA CLARK

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Quantitative scientist with a passion for understanding human behavior and human interactions. 3+ years experience utilizing statistic methods for inference, prediction, classification and summarization of people-centric data. I thrive working when with others and have a love for visualizing and presenting data insights.

## EDUCATION

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**Dartmouth College** | PhD Student, Psychological and Brain Sciences | 2018-Current

**UCLA** | BS in Cognitive Science, Minor in Neuroscience | 2015

## AWARDS

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**NIH/NIDA T32** Predoctoral Fellow (Current)

**Strategic Education Partnership Award** Fellow (Current)

**Finalist in Dartmouth Hackathon** (2019) <https://tastespace.shinyapps.io/tastespace/>

**First Place in Thayer Consulting Case Competition** (2019) Sponsored by Google & McKinsey & Co.

**Winner of The Expat Woman's Hackathon** in San Francisco (2017) Best use of programming category

## TECHNICAL SKILLS

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### Programming:

Python, R, Bash  
familiar with SQL, Matlab,  
Javascript, Flask

### Reproducible Computing:

Git, Jupyterlab,  
rmarkdown, Docker

### Statistical Analysis:

Hypothesis testing, Linear  
and Logistic Regression,  
Multilevel Modeling,  
ANOVA, T-test, Chi-square,  
Machine Learning

### Data Reduction &

**Visualization:**  
Seaborn/Matplotlib,  
ggplot, PCA, MDS,  
Factor Analysis

## EXPERIENCE

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**Dartmouth College** | PhD Student – Computational Social Neuroscience Lab

- Led \$3,500,000 project on understanding how videos evoke unique and shared emotional experiences
- Collected data from 4,000 online participants and 80 participants' brain activity
- Analyzed 130GB of three-dimensional functional neuroimaging data
- Assisted in development of a Flask and SQL web server for data collection
- Performed analysis including shared response modeling, factor analysis and principal component analysis, feature selection and event segmentation using a Hidden Markov Model
- Presented data and analyses for 100+ person audience

**Stanford University** | Lab Manager / Research Coordinator – Social Neuroscience Lab

- Coordinated scheduling, onboarding and offboarding of 30+ staff members, researchers and students
- Organized financial payments from multiple funding accounts
- Planned networking events in multiple cities during conference attendances
- Led a neuroimaging project analysis studying the effects of speaker engagement on listener empathy

**UCLA** | Brain Mapping Center Research Assistant

- Maintained and updated software usage documentation on the BrainSuite software
- Supervised and trained undergraduate researchers to perform data analysis on brain segmentations