

# JAYLEN LEE

Statistics PhD Candidate 

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📍 Irvine, California

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## CURRENT EXPERIENCE

Graduate Student Researcher  
University of California, Irvine

📅 Jan 2019 – Ongoing 📍 Irvine, California

- Dynamic correlation analysis of fMRI brain images using Bayesian statistical methods with applications to nicotine addiction studies
- Perform literature reviews over statistical methodology
- Organizing and cleaning data using MS Excel and Matlab
- Develop statistical analysis plans
- Derive and implement MCMC algorithms for Bayesian analysis using R and Matlab
- Weekly report writing and academic journal publication writing

## PAST EXPERIENCES

Data Science Intern  
Genworth Mortgage Insurance

📅 Summer 2020 📍 Raleigh, NC

- Developed analysis pipeline for loan level data using AWS Sagemaker
- Presented data driven evaluation of insurance pricing systems to pricing team leadership
- Led tutorial of black box model explainability techniques to analytics teams

Teaching Assistant  
University of California, Irvine

📅 Sept 2017 – Dec 2018 📍 Irvine, California

- Hold weekly office hours and discussion sections
- Grading exams and discussion worksheets
- Substitute as lecturer as required

Student Statistical Consultant  
Harrisonburg Free Health Clinic

📅 Sept 2016 - Dec 2016 📍 Harrisonburg, VA

- Evaluate the effectiveness of a new policy decision
- Clean and organize data for analysis
- Create graphs for communication of results using R
- Writing reports for clients

## VOLUNTEERING

Decade Plus Leadership Coach  
UCI Decade

📅 Jan 2019 – Ongoing 📍 Irvine, CA

- Mentorship program for undergraduates from underrepresented backgrounds
- Lead weekly meetings and organized activities around professional development

## EDUCATION

M.S in Statistics, University of California, Irvine

📅 2017 - 2019 📍 Irvine, California

B.S in Mathematics  
James Madison University

📅 2014- 2016 📍 Harrisonburg, Virginia

## ACHIEVEMENTS

🏆 NSF Graduate Research Fellow (2019)  
Early Career Scientist Award

📄 Research Publication  
Dimension Reduction of Gene Expression Data  
Lee, J., Ciccarello, S., Acharjee, M. et al. J Stat Theory Pract (2018) 12:450.

🗣 Presentations  
Presented research at Lamar University and James Madison University Colloquia. Also presented research at SUMS and REU symposiums.

## TECHNICAL SKILLS

R SQL AWS Sagemaker  
Report Writing Matlab STAN  
Visualization MS-Office Suite  
python Github Predictive Modeling  
Supervised Learning

## SOFT SKILLS

Communication Thoughtful  
Proactive Problem Solving  
Good Team Work

## COURSES

Bayesian Data Analysis  
Longitudinal Data Analysis  
Probability Theory Machine Learning  
Spatial Statistics