

# Yuji Patrick Mori

Email: [ypmori@ucdavis.edu](mailto:ypmori@ucdavis.edu)

Phone: (408) 202 5523

<https://ypmori.github.io/>

## EDUCATION

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### UNIVERSITY OF CALIFORNIA, DAVIS

Graduation: September 2018

Bachelor of Science in Statistics

Minor in Computer Science

GPA: 3.44 / 4.00

## SKILLS

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- Programming / Statistical Computing: R, Python, Perl, SQL, SAS, C++, MATLAB
- Techniques in Data Analysis, Machine Learning, Statistical Modeling, Experimental Design
- Graphics Design / Visual Composition: Adobe Photoshop, InDesign, Illustrator, Premiere, After Effects

## EXPERIENCE

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### BIOINFORMATICS INTERN – MICHELMORE LAB

June 2017 – Present

UC Davis Genome Center

- Developing scripts in Bash, Python, and R to automate tasks and process genomic data.
- Investigating the evolutionary behavior of pathogen-causing genes through phylogenetic and statistical analysis.
- Presenting research at the 2018 UC Davis Undergraduate Research Conference

### UNDERGRADUATE RESEARCH – QUON LAB

September – December 2017

UC Davis Genome Center

- Engaged in quantitative/computational genomic analysis of human subpopulations through machine learning techniques.
- Designed experiments to assess the predictive performance of gene expression models.
- Modified existing open-source software to perform lab-specific analysis on minority populations.

### UNDERGRADUATE RESEARCH – SATO CARDIOLOGY LAB

May 2016 – January 2017

UC Davis Department of Pharmacology (School of Medicine)

- Coding in C++ and MATLAB to simulate effects of anti-arrhythmic drugs in the human heart.
- Managed an independent research project to model the stochastic behavior of gated calcium channels in cardiac cells.
- Experience with dynamic programming and parallel/cluster computing for high performance.

### ACADEMIC BOARD – IIDATA CONVENTION

January 2016 – May 2016

- Collaborated with a small team to organize iidata, the first annual Statistics and Data Science Convention at UC Davis.
- Prepared university students for real-world data analytics through multiple competitions, statistical programming workshops, and networking opportunities.
- Responsible for a variety of tasks such as technical writing, competition planning, social media outreach, and professional email correspondence.

## ACTIVITIES

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### MENTOR – UC DAVIS STATISTICS CLUB

January – June 2017

- Available for academic peer advising and personal/career discussions.

### CO-CAPTAIN – UC DAVIS MEN'S CLUB ULTIMATE FRISBEE

September 2014 – Present

- Leading practices, handling team logistics, scheduling competitive matches.