Jane Liang

Boston, MA, United States

jwliang@g.harvard.edu

janewliang.github.io

Research Interests

Statistical genetics, machine learning, and computational problems in high dimensions.

Education

Aug 2017 - *Present*	**Doctor of Philosophy in Biostatistics** Harvard T.H. Chan School of Public Health *Boston, MA* Genomics training grant fellow 🔗
Aug 2012 - Dec 2015	**Bachelor of Arts in Statistics, with Honors** University of California, Berkeley *Berkeley, CA* Honors thesis: *Comparing Dependence Measures Using Simulation Studies* Supervisor: Haiyan Huang, PhD Course thread in Sciences and Society

Professional and Research Experience

Aug 2017 - *Present*	**Research Rotation Student** Department of Biostatistics, Harvard T.H. Chan School of Public Health *Boston, MA* Supervisor: Danielle Braun, PhD and Giovanni Parmigiani, PhD Aggregating Mendelian models for cancer risk prediction
Oct 2016 - July 2017	**Scientific Research Programmer** Division of Biostatistics, Department of Preventive Medicine, University of Tennessee Health Science Center *Memphis, TN* Supervisor: Śaunak Sen, PhD Matrix linear models for high throughput data Maintaining high performance computing systems for division
Jan - Sept 2016	**Programming Analysis Associate** Kaiser Permanente *Pleasanton, CA* Information technology rotations

May - July 2015 & May - Aug 2014	**Summer Student Researcher**
	Department of Epidemiology and Biostatistics,
	University of California, San Francisco
	San Francisco, CA
	Supervisor: Śaunak Sen, PhD
	Matrix linear models for high throughput data
	Lung function reference equations for Puerto Rican children
	QTL analysis of mice with non-alcoholic fatty liver disease

Oral and Poster Presentations

June 23 2017	**Matrix linear models for high-throughput data (lightning talk)** ⬈
	JuliaCon ⬈
	Berkeley, CA

Oct 5 2014	**PFT reference equations for Puerto Rican children**
	Third Respiratory Congress: Challenges for a Healthy Breathing
	San Juan, PR

Teaching Experience

Jan - May 2015	**Lab Assistant**
	Department of Statistics, University of California, Berkeley
	Berkeley, CA
	Supervisor: Deborah Nolan, PhD
	STAT 133: Concepts in Computing with Data

Honors and Awards

Dec 2015	**Phi Beta Kappa**
	University of California, Berkeley
	Berkeley, CA

Dec 2015	**Distinction in General Scholarship**
	University of California, Berkeley
	Berkeley, CA

Competitive Travel and Conference Support

June 20-24 2017	**JuliaCon** ⬈
	Berkeley, CA
	Diversity speaker travel support

Feb 8-10 2017	**Workshop on the Interface of Statistics and Optimization (WISO)** ⬈
	Statistical and Applied Mathematical Sciences Institute (SAMSI)
	Durham, NC
	Travel support

Oct 16-22 2016	**Short Course on Systems Genetics** ⬈
	The Jackson Laboratory
	Bar Harbor, ME
	Tuition scholarship

Skills

High proficiency: R, Julia, Python, C++, LaTeX, Git, Mercurial, Linux environments
Some proficiency: Java, MATLAB, web scraping