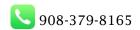
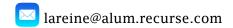
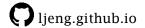
LAREINE JENG









PROFESSIONAL EXPERIENCE

University of California - San Francisco

Staff Research Associate

San Francisco, CA January 2019 - Present

Use RStudio and an R library called Monocle to analyze single-cell RNA sequences for the Department of Neurology.

C2 Education Computer Science and Statistics Teacher Livingston, NJ

October 2017 - October 2018

- Taught a college-level Java course, a general computer science course, and a statistics course.
- Traveled across centers in North and Central Jersey to teach and perform administrative tasks such as auditing business data up to 41 hours/week.
- Scored 97% and 93% on C2 pre-employment exams on statistics and computer science respectively.

Recurse Center New York, NY July - September 2016 Programmer

Participated in a full-time sabbatical funded by a grant for programmers.

Technical skills: Java, C. JavaScript, Python, R, HTML/CSS, statistics, web development, machine learning

PRESENTATIONS

Self-Driving Car Simulator, September 2016

Recurse Center, New York, NY

Showcased a model written in R based on millions of data points that appraises a subject's life based on the subject's demographic information, situational physical position, and behavior to use in life-or-death situations where a self-driving vehicle must value one set of lives over another.

Ethical Engineering, August 2016

Recurse Center, New York, NY

Introduced the process of constructing ethical frameworks for autonomous machines.

PROJECTS

Auto Auditor

- Wrote a JavaScript program that sorts billing events in chronological order and then uses binary search to find billing errors in business data in C2 Education's Smart2 system.
- Significantly sped up the process of auditing business data and improved accuracy.

Advanced Add Reminder for Google Sheets

- Wrote a JavaScript program that works with a complex project management spreadsheet that sends an email reminder to team members two days before an assignment is due.
- Added additional functionality that updates the spreadsheet to show that an email was sent, CC's the email to the coordinator, and maintains a file of all emails sent.

EDUCATION

Cooper Union, New York, New York

Civil Engineering

Full merit scholarship

Webb Institute, Glen Cove, New York

Naval Architecture & Marine Engineering

- o Full merit scholarship
- Fischer Dunderberg Scholarship
- Dean's List
- Record holder since 2009 at the Coho Memorial, a Mid-Atlantic regional college sailing regatta

Relevant coursework: Statistics Honors, Programming with Applications, Introduction to Computer Science, Interactive Multimedia, Web Design, Introduction to Computing for Scientists and Engineers

Academic Honors: National Merit Commended Scholar, 800 on SAT Mathematics Award