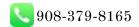
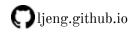
Lareine Jeng









EDUCATION

Cooper Union New York, NY

Civil Engineering

Full merit scholarship

Webb Institute Glen Cove, NY

Naval Architecture & Marine Engineering

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

Relevant Coursework: Technical Communication, Programming with Applications, Calculus I and II, Engineering Design and Problem Solving, Introduction to Computer Science, Introduction to Linear Algebra, Engineering Professional Development Seminars, Ordinary and Partial Differential Equations

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

PROFESSIONAL EXPERIENCE

C2 Education Livingston, NJ

Non-Compete 2018 - Present

Computer Science and Math Teacher

2017 - 2018 Taught AP Computer Science Principles/A, AP Statistics, AP Calculus AB/BC, and AP Physics 1/2/C.

- Scored 93% and 97% on C2's pre-employment exams on computer science and statistics respectively.
- Recurse Center New York, NY

2016 Participant

Received a grant to learn about programming languages, data structures and algorithms, operating systems, discrete mathematics, and software engineering in a community-driven programmers' sabbatical.

Derecktor Shipyards Bridgeport, CT

Naval Architecture & Marine Engineering Intern

2010

Technical Skills: Java, Python, statistics, data structures & algorithms, R, datasets, data mining

SPONSORED OPEN-SOURCE CONTRIBUTIONS

2018 **Auto Auditor**

- o 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.

Self-Driving Car Simulator

2016

o A model written in R based on millions of data points that appraises a subject's life to use in life-or-death situations where a self-driving vehicle must value one set of lives over another.

Ethical Engineering 2016

- A data mining algorithm for the construction of ethical frameworks for autonomous machines.
- Presented at the Recurse Center in August 2016 and featured in "Through the Ocean" blog.