

# Lareine Jeng



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ljeng.github.io



ljeng

## EDUCATION

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### Cooper Union

New York, NY

Civil Engineering

- Full merit scholarship

### Webb Institute

Glen Cove, NY

Naval Architecture & Marine Engineering

- Full merit scholarship
- Fischer Dunderberg Scholarship
- Dean's List
- 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

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### 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

Participant

2016

- 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

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### Auto Auditor

2018

- 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

- 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.