

# Lareine Jeng



501-749-8384

lareine@alum.recurse.com



ljeng.github.io

ljeng

## PROFESSIONAL EXPERIENCE

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### C2 Education

Livingston, NJ

Computer Science and Statistics Teacher

2017 - 2018

- Taught AP Computer Science Principles/A and AP Statistics.
- Scored 93% and 97% on C2 Education'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, and discrete mathematics in a programmers' sabbatical.

**Skills:** Python, technical communication, R, statistics, Java, data mining

## 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

**Relevant Coursework:** Technical Communication, Programming with Applications, Engineering Design and Problem Solving, Introduction to Computer Science, Engineering Professional Development Seminars

## OPEN-SOURCE CONTRIBUTIONS

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### Cheat Sheet

2019 – Present

- A well-documented collection of data structures and algorithms templates commonly used for competitive programming.
- Received \$4,925 of funding through GitHub Sponsors and over 150 stars.

### 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 that was presented at the Recurse Center in August 2016 and featured in "Through the Ocean" blog.