

Lareine Jeng



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ljeng.github.io

ljeng

PROFESSIONAL EXPERIENCE

C2 Education

Livingston, NJ

Non-Compete

2018 - Present

Computer Science and Statistics Teacher

2017 - 2018

- Taught AP Computer Science Principles/A and AP Statistics.
- Read and debugged students' Java and Python code for assignments.
- Advocated for students' and parents' academic needs.

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, JavaScript

EDUCATION

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

OPEN SOURCE CONTRIBUTIONS

Auto Auditor

2018

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

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.