

# Lareine Jeng



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ljeng.github.io



ljeng

## Work Experience

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### International Olympiad in Informatics (IOI) Team of Macedonia

Macedonia (Remote)

Coach

2020 – Present

- Trained Macedonia's four IOI team selectees for IOI 2020. The team won three bronze medals, making this the second-best performance in Macedonian history.
- Develop an educational technology product that rewards IOI team candidates for solving competitive programming problems during the off-season.

### C2 Education

Livingston, NJ

Non-Compete

2018 – Present

Teacher, Computer Science & Mathematics

2017 – 2018

- Taught AP Computer Science Principles/A, AP Statistics, and AP Calculus AB/BC.
- Built a spreadsheet add-on that uses binary search to find billing errors in business data in C2 Education's Smart2 tuition billing system.
- Received bonus three times for the best team performance for the month based on revenue from student sign-ups.

### Recurse Center

New York, NY

Participant

2016

- Received a grant to work on programming languages, data structures & algorithms, discrete mathematics, and software engineering & large systems design at a programmers' sabbatical.
- Designed an algorithm for construction of ethical frameworks for autonomous machines. The algorithm was featured in the technical blog "Through the Ocean."

### Derektor Shipyards

Bridgeport, CT

Naval Architecture & Marine Engineering Intern

2010

## 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:* Programming and Applications, Engineering Design and Problem Solving, Introduction to Computer Science, Engineering Professional Development Seminars

## Skills

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Java, data structures & algorithms, C++, Python, object-oriented design, software development