

Lareine Jeng



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ljeng.github.io

ljeng

Work Experience

AI Foundation

United States (Remote)

Research Engineer

2020 – Present

- Develop small-scope modules for trained convolutional neural network models for emotion recognition.

Junior Research Engineer

2020

- Developed a computer vision algorithm called Eulerian Video Magnification, which pulls out subtle changes from videos that are invisible to the naked human eye.

International Olympiad in Informatics (IOI) Team of Macedonia

Macedonia (Remote)

Coach

2020

- 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.
- Attended on-the-job training on C++ and advanced data structures during the off-season.

C2 Education

Livingston, NJ

Non-Compete

2018 – 2020

Teacher

2017 – 2018

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

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.

Derektor Shipyards

Bridgeport, CT

Naval Architecture & Marine Engineering Intern

2010

Education

Cooper Union

New York, NY

Civil Engineering

- Full-tuition merit scholarship

Webb Institute

Glen Cove, NY

Naval Architecture & Marine Engineering

- Full-tuition merit scholarship
- Dunderberg Undergraduate Student Prize, a \$1,000 scholarship covering non-tuition costs
- Dean's List

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

Publications

Neumann, M., Wang, Y., Kim, S., Hong, S. M., **Jeng, L.**, Bilgen, M., & Liu, J. (2009). Assessing gait impairment following experimental traumatic brain injury in mice. *Journal of Neuroscience Methods*, 176(1), 34-44. doi:10.1016/j.jneumeth.2008.08.026. [Cited by 86.]

Skills

Python, data structures & algorithms, Java, software engineering, artificial intelligence, C++, JavaScript