

Richard Luo

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🇺🇸 United States of America

Education

Georgia Institute of Technology,

B.S. Computer Science

2020 – Present | Atlanta, USA

Monta Vista High School

2016 – 2020 | Cupertino, USA

- Relevant: AP Calculus BC, AP Statistics, AP Computer Science A, AP English Literature and Composition

Expert Skills

Python, Java, C++, Linux, Cybersecurity, Computer Networking, MacOS, Windows, Git, Cryptography, Data Structures, IntelliJ, CLion, PyCharm, Machine Learning, Chinese, Microsoft Office, Penetration Testing, Algorithms

Advanced Skills

C, Cloud Computing, Embedded Systems, MATLAB, MPLAB X, Routing, Octave, Wireshark, Virtual Box, Visual Studio, VMWare, TCP/IP Stack

Leadership

Monta Vista Computer Science Club,

Co-President

2016 – 2020

- Provided managerial oversight and implemented a long-term strategy to boost club membership by 3x
- Created brand new website for CS Club
- Developed and implemented new attendance system
- Improved email and outreach system

Awards

Stanford Programming Competition 1st Place,
2019

CSAW CTF Finalist Qualifier, 2020

United States of America Computing Olympiad Gold, 2017

Projects

ELI5 Generation, *Project Lead*

2020/08 – Present

Using Natural Language Processing, this project generates simple (ELI5) explanations in response to a diverse array of open-ended questions using supporting documents from the web.

GoodbAI, *Solo Project*

2020/08

Using deep learning and OpenAI's GPT-2, GoodbAI aims to clone the natural language of a user/person. The first model was trained on Kobe Bryant's tweets, web-scraped using TWINT. For dataset based on tweets, GoodbAI is able to recognize handles (@user), emojis, and hashtags.

COSMOS Roachbot

2018/06 – 2018/07

Used C to develop an autonomous light-sensing robot that could self-navigate a maze to automatically hide in the darkness.

Courses

Machine Learning, *Coursera* [🔗](#)

Structuring Machine Learning Projects [🔗](#)