

Richard Luo

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🇺🇸 United States of America

Education

Georgia Institute of Technology, *B.S. Computer Science, 4.0 GPA* 2020 – 2024 (Expected) | 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

Professional Experience

Georgia Tech College of Computing, 2021/01 – present | Atlanta, USA

Undergraduate Student Researcher

- Researching Privacy-Preserving Biometrics under the supervision of Dr. Wenke Lee and Erkam Uzun
- Building applications for remote privacy-preserving biometric authentication and recognition schemes

Skills

Java, Python, C, C++, Javascript, Linux, Cybersecurity, Computer Networking, Git, GitHub, Algorithms, Data Structures, Machine Learning, Penetration Testing, Cloud Computing, Embedded Systems, APIs, Postman, Deep Learning, Ghidra, Burp Suite

Awards

CUCTF 2020, *2nd Place Winner* 2020

CSAW CTF, *Finalist Qualifier* 2020

BSidesBOS CTF, *9th Place out of Over 900 Teams* 2020

Stanford Programming Competition, *1st Place Winner* 2019

USA Computing Olympiad, *Gold* 2017

Leadership

Monta Vista Computer Science Club, *Co-President* 2016 – 2020

- Implemented a long-term strategy to boost club membership by 3x
- Created brand new website for CS Club

Projects

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

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, *deeplearning.ai* [↗](#)

Neural Networks and Deep Learning, *deeplearning.ai* [↗](#)