**Richard Le**

**GitHub:** <https://github.com/richard-le>

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**23 Stephen Smith Drive, Putnam Valley, NY, 10579**

**Education**

**Rensselaer Polytechnic Institute**, Troy, NY **May 2022**

Bachelor of Science in Computer Science GPA: 3.51

Concentration: AI and Data

* **Scholarships/Grants**
  + Rensselaer Leadership Award
  + Rensselaer Access Grant

**Skills**

**Languages:** English (Fluent), Vietnamese (Fluent)

**Programming Languages:** Python, C/C++, Java, Go

**Computer Software:** Git, bash, Microsoft Office

**General:** Statistics, Object-Oriented Programming Design Patterns, Algorithms, Data Structures

**Projects**

**The Hotbox**, Rensselaer Center for Open Source (RCOS) **September 2020 – Present**

* Working on automatic video editing using computer vision via Go and GoCV

**CoCode**, Rensselaer Center for Open Source (RCOS) **Summer 2020**

* Implemented a file transfer system between a server and client in C/C++ using UNIX sockets

**Relevant Courses**

**Data Structures Spring 2018**

* Implemented a divide and conquer algorithm to find possible crossword solutions with a given grid of letters and database of words
* Designed a custom string class in C++ using a binary tree as the data structure

**Computer Organization Fall 2019**

* Created a C program that translates simple C expressions into MIPS assembly language
* Programmed matrix multiplication using MIPS

**Operating Systems Summer 2020**

* Implemented multithreading in C in order to find a knight's tour in any sized chess board

**Data Mining Fall 2020**

* Created a multilayer perceptron with a binary classifier using **NumPy** with Python

**Extracurriculars**

**Summer Intern, Bayerische Landesbank, New York, NY July 2018 – August 2018**

* Transferred from paper to digital 30-40 business evaluations per day with Filemaker Pro
* Created a fast process to solve a problem of inefficient file searching, saving time spent by 40-50%
* Attended all meetings and learned the responsibilities of the compliance department as a whole, and the role of the anti-money laundering officer in particular

**Web Design, Walter Panas High School, Cortlandt Manor, NY 2016 – 2017**

* Learned to create web pages with HTML