

Danny Nguyen

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EDUCATION

University of Colorado at Boulder – College of Engineering & Applied Science

Anticipated May 2020

Bachelor of Science in Computer Science
Minor in Mathematics

- **Relevant Courses:** Data Structures, Computer Systems, Algorithms, Principles of Programming Languages, Robotics, Object Oriented Design, Natural Language Processing, Discrete Structures, Data Science, Linear Algebra, Calculus I & II,

RELEVANT PROJECTS

Drone Rescue Mission | ROS, OpenCV, Python, C, Linux

November 2018 – December 2018

- Autonomous drone that path plans using A* through a dynamically created map of a specific area. The drone uses its camera to find AR tags that set the dimensions of the map and then recreates any obstacles that may exist.
- <https://github.com/Jetanat/Drone-Rescue-Mission>

Match Messaging | Html, Css, Java, Python, Google Firebase

January 2018 – May 2018

- Online browser-based messaging application that allows users to chat with others on the same platform and get matched with others based on similar interests.
- <https://github.com/TeamEpyk/MatchMessaging>

Final Data Structures Project | C++

January 2017 – May 2017

- Comparing the methods of chaining and open addressing for building a hash table using data from baseball players.
- https://github.com/Danny-Nguyen/Projects/tree/master/FinalProject_CSCI2270

The Book Store Project | C++

August 2016 – December 2016

- In C++ created a book store simulation where a user could buy, sell, and store books depending on their input using two different classes.
- https://github.com/Danny-Nguyen/Projects/tree/master/Nguyen_Project1

League of Legends Simulator Project | Python

August 2016 – December 2016

- Programmed a game simulation that allows the user to create a team of five champions with randomized values to either win or lose using two classes.
- https://github.com/Danny-Nguyen/Projects/tree/master/Nguyen_Project2

TECHNICAL SKILLS

Programming Languages: C/C++, Python, LaTeX, Scala, Html/CSS, SQL, Java

Libraries/Tools: Pandas, Matplotlib, Numpy, Git, OpenCV, ROS, Windows, Linux

Language skills: Fluent English, Fluent Vietnamese

HONORS AND AWARDS

BOLD Scholarship

Fall 2017 – Spring 2018

APS - VISTA Scholarship

Fall 2016 – Spring 2020

COMTO Colorado Engineering Scholarship

Fall 2016 – Spring 2017

LEADERSHIP

Bridging Hope - Denver, Colorado

Fall 2017 - Present

Volunteer

- Bridging Hope is a non - profit organization aimed to help the underprivileged women and children of Vietnam. Helped to raise a total of \$20,000 at their fundraising event.

Vietnamese Student Association - Boulder, Colorado

Family Leader

Fall 2016 - Present

- Group leader for a Vietnamese culture interest club at CU - Boulder. Helped to plan events throughout the year and perform in a collective show near the end of the school year.