

# Danny Nguyen

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## RELEVANT PROJECTS

- **Drone Rescue Mission | ROS, OpenCV, Python, C, Linux** **November 2018 – Present**  
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](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](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](https://github.com/Danny-Nguyen/Projects/tree/master/Nguyen_Project2)

## TECHNICAL SKILLS

- **Programming Languages:** C++, Python, C, LaTeX, Scala, Html, Css, SQL
- **Libraries/Tools:** Pandas, Matplotlib, Numpy, Git, 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.

## 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, Discrete Structures, Data Science, Linear Algebra, Calculus I & II,