1722 Donlee Dr
Blacksburg VA 24060

ANTONIO LAU

(703) 209-1954
rl2842001@gmail.com

PROJECTS AND EXPERIENCE

Java   **Fall 2022**

Implementing a Skip List
- Implemented a new data structure called Skip List
- Introduced to mutation testing, reduced the number of mutants in code from 218 to 8

Swift   **Spring 2022**

Creating a Fitness Tracker App
- Collaborated with 2 other students to create an app that tracks your calories intake and expenditures for the week in real time.
- Used multiple existing API to obtain data.
- Gained experience working with API and databases in Swift.

Java   **Fall 2021**

COVID19 fatality ratio GUI
- Collaborated with 2 others on implementing a sorted linked list that stores information on COVID19 cases fatality rates imported from a .cvs file.
- Learned how to work with .cvs files and further my knowledge of Java development.

Computer management and organization using CLI   **Spring 2022**
- Worked with Linux-based system terminal to manipulate and manage files using commands more effectively.

EDUCATION

Annandale, VA   **Northern Virginia Community College**   **Fall 2018 – Summer 2021**
- A.S. in Engineering, May 2021. GPA: 3.5
- Dean's List Summer 2020, Fall 2020, Spring 2021, Summer 2021
- Coursework: Intro to Computer Science, Computer Science I & II, Differential Equations

Blacksburg, VA   **Virginia Tech**   **Fall 2021 – Current**
- B.S. in Computer Science with Math Minor, exp. Dec 2023
- Coursework: Software Design and Data Structures, Linear Algebra, Discrete Mathematics, Computer Organization, Mobile Software Development, Applied Combinatorics and Graph Theory, Data Structures and Algorithms

ADDITIONAL EXPERIENCE
- Worked as a full-time Team Leader at Panera Bread while attending community college (2018 - 2020)
- Acquired excellent communication skills along with teamwork and client services
- Fluent in Vietnamese, writing and speaking

Languages and Technologies
- C; Java; Swift; Assembly; MIPS
- Visual Studio; Eclipse; XCode; MARS; Linux
- JUnit Testing, Mutation Testing (PIT)