

Christopher Pham

116 Pond St., Avon, MA 02322 • christopher.pham2377@gmail.com • (617) 620-4802

EDUCATION

Bridgewater State University, Bridgewater, MA

Bachelor of Science degree in *Computer Science*

May 2021

Honors: Dean's List, 2 semesters, Major GPA: 4.0

Work up to 15 hours a week while attending school full-time and commuting

TECHNICAL SKILLS

Programming: Proficient: Java, Python, JavaScript, CSS, and HTML; Basic knowledge: C#, Kotlin, PHP, MySQL

Software: PyCharm, Eclipse, IntelliJ IDEA CE, Visual Studio Code, Xcode, GitHub, SourceTree, XAMPP, Node.js, UML Designer, Wireshark, Android Studio, Unity

Framework: Proficient: jQuery, Bootstraps; Knowledge of Agile, Scrum, Extreme Programming, Express Dynamic Systems Development Method

Operating Systems: Developed applications on Mac OS Mojave, Experience with Windows

WORK EXPERIENCE

*Sales Representative, **Cricket Wireless***, Randolph, MA

March 2017 – Present

- Solve customer problems and phone issues such as technical or service
- Recommend suitable products for purchase based on knowledge of current services

*Office Assistant, Art Department, **Bridgewater State University***

September 2019 – Present

- Clean the department space and move art supplies and equipment
- Made deliveries to different buildings on campus

*Crew Member, **Dunkin Donuts***, Avon, MA

August 2016 – February 2017

- Multitasked, provided great customer service while preparing store to close
- Took inventory, cleaned workspace and prepared machines for daily application
- Operated register and made food

PROJECTS

*Autonomous Vehicle, Panasonic 3D-LiDAR Challenge, **Panasonic***

Fall 2019

- Was awarded a grant by Panasonic to develop an autonomous vehicle using combination sensors
- Work with a team to plan and develop a vehicle that uses the 3D-LiDAR to detect obstacles, thermal sensor to identify humans, and WIFI sensor to detect signals from phone to pinpoint and travel to user location

WIFI GPS

Fall 2019

- Research how building materials interfere with compass readings
- Collect data to determine if compass readings is constant in various location and times
- Plan to enhance WIFI GPS with compass readings to allow indoor map generation

*Markov, Data Structures and Algorithms, **Bridgewater State University***

Summer 2019

- Developed Java program that reads a plain text file, using adjacency list to record all original words and the subsequent word or phrase after every occurrence of the keyword
- Generated random text that uses probability model to mimics the author's writing style

*Concordance, Data Structures and Algorithms, **Bridgewater State University***

Summer 2019

- Built LinkedList class, implemented merge sort, and binary search in Java

- Searched for a keyword, program output all locations of that keyword in the text file with surrounding words around that word

Address Book, Computer Science II, Bridgewater State University

Spring 2019

- Developed Java Address book program that can add, remove, favorite, sort and search entries
- Implemented Recursion search capable to find an entry by name, address, or phone number
- Serialized entries onto a file and can reload saved data when needed

Text Adventure Game, Computer Science II, Bridgewater State University

Spring 2019

- Developed Zork style text adventure game in Java with all commands executed through text
- Implemented 2D room map and used Object Oriented Programming principles such as inheritance and polymorphism to organize and design player, enemy, and items classes

Berzerk Style Game, Computer Science I, Bridgewater State University

Fall 2018

- Created 2D Python Berzerk game that used list data structure to contain entities and map

RELATED COURSEWORK

Data Structures and Algorithms, Discrete Mathematics, Single Variable Calculus I; Fall 2019: Object Oriented Software Engineering, Web Application Development, Logic and Computers, Intro Computer Organization, Cybersecurity & Comp Networks and Single Variable Calculus II