

# Chengzhe Li

(413) 801-7111  
chengzheli@umass.edu

## EDUCATION

### UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA

*M.S. Computer Science Candidate (Expected graduation May 2021)*

- **Relevant Coursework:** Game Programming, Secure Distributed System, Distributed & Operating Systems, Theory & Practice/Software Engin, Machine Learning

### UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA

*B.S. Computer Science (Sep 2016 - Dec 2019)*

- **GPA:** 3.5
- **Relevant Coursework:** Artificial Intelligence, Pract & Appl of Data Managemnt, Introduction to Algorithms, Operating System, Computer Networks, Software Engineering
- **Awards & Honors:** Dean's List(18 - 20), Bay State Master, Course contributor of Computer Networks(helped design exams and quizzes), ESL Acitivity Assistant

## SKILLS

- Proficient in C/C++, Java, Python, C#, Experience of Using Unity Engine
- Solid understanding of Computer Science Basic(OS, Data Structure, Networks, Algorithms, etc..)
- Knowledge about Agile development, and related tools(gits, zenhub, slack, etc..)
- Sufficient knowledge about Software Engineering including designing, building, and testing, etc..
- Experience and understanding of AI algorithms and Machine Learning models and concepts.
- Understanding of distributed systems, complicated operating systems, and secure decentralized systems.
- Passionate and focused, high Self-motivation for learning new things and curiosity about everything.
- Team-player, love to work and progress with others.

## PROJECTS

### Bazaar(Currently Working on)

- Simulating P2P networks, build it from sketch, using RPC interface of Linux to communicate between users. Building a bazaar for seller and buyer users. Working with Sharuya.

### Online Calculator

- Computer Networks final project, programming with sockets using protocols like UDP and TCP to communicate in reliable and unreliable environments, used Python Socket library.

### Amazon Reviews Sentiment

- ML Project applied to real-life tasks including processing the dataset, modeling, and evaluating. Used textblob and sklearn.SVM. Get the sentiment of reviews and modeling for evaluating other reviews.

### FixHub

- Replicate study for automatically bug fix Project SimFix, successfully set up the environment, ran SimFix on both local and remote(UMass Edlab machines) machines. Wrote and tested scripts for setting up environments and running Simfix, justifying the correctness of the patches generated. Worked with Zach Ferratti. Technologies used: Simfix, Defects4J, Linux, Ant

### File\_Master XP

- Worked as a team member of an Agile software development team in a Software Engineering course. Learned the procedure of Agile development. Developed a quick search file browser for HPE to search Json files by file name or other information. Technologies used: React, Bootstrap, Flask, MongoDB, AWS

## PROFESSIONAL EXPERIENCE

### O2 Micro

Wuhan, Hubei

*Software Intern*

*May 2018 – Jun 2018*

- Wrote and tested for the stability and functionality of chips for portable electronic devices. Learned about the basic structure of the embedded system and the function it supplies.
- Tested, debugged, and updated for products that will be shipped to clients.