

# Chengtao Lin

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## EDUCATION

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### University of Massachusetts Boston

*Bachelor of Science: Computer Science*

Boston, MA

*Expected May 2024*

### CodePath\*ORG

*Boot Camp of Coding*

REMOTE

*Expected Nov 2023*

## RELEVANT COURSEWORK

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### University of Massachusetts Boston

*Math&Computer science*

- Advanced Data Structures and Algorithms
- Introduction to Artificial Intelligence
- Database Management

### CodePath\*ORG

*Programming courses*

Intermediate iOS Development  
Intro to Cybersecurity  
Intermediate Web-Development

## EXPERIENCE

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### Mentor - The 2023 Swift Mentorship Program

*Apple*

July 2023 – October 2023

*Remote*

- **Description:** Building a Swift project with the mentee to understand and practice UI programming techniques in Swift. Addressed and encouraged mentee inquiries, established a progress management plan, and researched/shared Swift resources to collectively advance our expertise.
- **Application:** [ShopHub](#)
- **Overview:** Collaborated with mentee to conceptualize and execute a project/app, honing Swift development skills. Utilized GitHub for task management(Projects) and collaboration (publish issue, PR, and MR), and coordinated weekly progress meetings via Google Meet.
- **Technologies:** SwiftUI, SwiftData, GitHub, Figma, Google Meet

### iOS mobile Developer - HackUMass XI

*University of Massachusetts Amherst*

November 2023

*WINNER [HACKUMASS] Best Mobile Hack*

- **Description:** Working as front-end developer in the team to build an iOS mobile application using Swift and SwiftUI. Positive communication with the back-end and team manager, successfully integrating Docker servers and APIs with the front-end and using the Database to build a functional front-end. Such as pie charts, maps, and image exporting. The supportive team environment facilitated my rapid learning and skill development despite initial challenges. The experience at the Hackathon was both enriching and enjoyable, significantly enhancing my collaborative and technical abilities.
- **Application:** [Ree-See.it](#)
- **overview:** "Ree-See-It" is driven by the urgent need to reduce environmental waste and promote healthier lifestyles. With the environmental and health impacts of paper receipts becoming increasingly evident, our app offers a sustainable and health-conscious alternative for receipt management.
- **Technologies:** Swift, SwiftUI, JSON, Docker

### Artificial intelligence Research Fellowship

*University of Massachusetts Boston*

Present 2024

- **Description:** Engaging in Natural Language Processing (NLP) research, especially in the ethics of Artificial Intelligence area. Focusing on researching, building, training, and importing an NLP model with the research professor by using the datasets of CoLA Benchmark, SuperGLUE, and Wiki Spacy.
- **Technologies:** Python, Tensorflow, Jupyter Notebook, CoLA Benchmark, SuperGLUE, Wiki spacy

## PERSONAL PROJECTS & TECHNICAL SKILLS

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**Side projects:** BeRealClone, Flashcards, Flixster, PhotoScavengerHunt, HelloToday, DogDiscoveryHub

**Languages:** Java, Python, C, C#, Racket, Swift, Storyboard, UIKit, SwiftUI, Sql, HTML, CSS, JavaScript, React

**Platform:** Windows, MacOS, Linux

**Developer Tools:**GitHub, IntelliJ, Visual Studio Code, Xcode, Unity, DrRacket