

# Jason Mai

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Links: [in](#) [Linkedin](#), [Github](#), [Personal Website \(Made with ReactJS\)](#)

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## EDUCATION

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### • University at Buffalo (SUNY)

August 2020 — Expected: May 2024

*Bachelor's in Computer Science; GPA 3.42.*

*Courses: Object Oriented Programming (OOP), Systems Programming, Computer Organization, Web Applications, Algorithms and Complexities, Artificial Intelligence, Linear Algebra, Calculus 1 & 2, Probability and Statistics, Discrete Structures, Data Structures.*

## SKILLS SUMMARY

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- **Languages:** NodeJS, Java, HTML & CSS, Python, C (Programming Language), SQL, JavaScript, Swift/Objective-C, and Scala
- **Tools:** Docker, GIT, Jupyter, GitHub, Pandas, Matlab, XCode, VSCode
- **Data Bases:** MongoDB, Parse

## CODING PROJECTS

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### • Language: Python

- **Checkers AI:** Checkers AI is an artificial intelligent program that will choose the best moves that results in high reward most of the time. This program utilizes the minimax algorithm which is an algorithm used commonly in decision making. It will compute the most optimal move for the player to help maximize it's chances of winning the game.

### • Language: C (Programming Language)

- **Instant Messenger:** Implemented message encoding and decoding to create an instant messaging application by using void pointers and pointer arithmetic. This allows users to send messages to each other in real-time through a chat server.
- **Conway's Game of Life:** This application will allow a user to run a text-based simulation of John Conway's game of Life (cellular automata that demonstrates how simple rules can lead to complex patterns or behaviors) on the computer.

### • Language: Scala

- **Genetic Algorithm:** Made an algorithm that solved optimization problems quickly without specifically knowing how to solve the problem itself and without needing to waste unnecessary time searching for the solution.
- **Microwave (OOP):** Developed a functional microwave application that utilizes objected oriented programming.

### • Language: Swift / Objective-C

- **UniMarket [UB Hackathon Fall 2021]:** College Marketplace where students can make buy or sell items, supplies, clothes, technology, and more. Students can sell items exclusive to only their college and can safely do transactions on campus.
- **Twit:** Twitter-like app utilizing twitter's API so users are able to log in to their own Twitter account and interact by viewing tweets, posting tweets, liking tweets, and retweeting tweets.
- **Parstagram:** This is an Instagram-like app with a custom Parse back-end that allows a user to post photos, view a global photos feed, and add comments on anyone's posts.
- **NoteTakers:** A note-taking app where others can share notes from their enrolled college courses to help those who want or need information on a subject of the course that they have missed out on or strengthen their knowledge.

## WORK EXPERIENCE

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### • South Park Laundromat — Blasdell, New York *Manager*

August 2020 - Present

- Led to a significant increase in sales and customer satisfaction after the business was taken over by new management.
- Took accountability for customer dissatisfaction with any equipment and swiftly resolved any technological issues.
- Organized advertisements to attract new customers which appreciably increased the daily rate of customers.

### • Pho Kim Chi (Restaurant) — Lackawanna, New York *Assistant Manager*

February 2018 - August 2020

- Recruited and trained paid employees to make sure their transition to becoming part of the staff is quick and smooth.
- Executed restaurant policies, procedures, and safety standards to make sure that the environment is clean and safe.
- Listened to customers in need of special assistance and provided the assistance needed.

### • Pho Dollar (Restaurant) — Buffalo, New York *Waiter and Cashier*

December 2016 - January 2018

- Managed and navigated multiple parties in a high-volume restaurant with a small environment.
- Handled supplies and cleaning to make the environment more appealing and fluent.
- Developed friendly relationships with customers that provided a steady increase in customers.

## AWARDS AND CERTIFICATES

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### • University at Buffalo (SUNY): Dean's List Spring 2022

### • CodePath: [Certificate of Achievement iOS Development](#), [Certificate of Achievement Advanced Software Engineer](#)