

EMPLOYMENT

2023-2024 Teaching Assistant for CSCI 220 Lab Courses (PYTHON) Fall Semester and Spring Semester - Charleston, SC

- Assist students working towards a clear intention of majoring in computer science.
- Engage students who have questions about the assignments and assist them in breaking them down into smaller more manageable components
- Aid students in problem solving while providing feedback to help them learn and grow.
- Grade student work using a criteria of code construction, learning and final output.

2022 Henry's Restaurant, Bar, and Music Hall

Summer - Charleston, SC

- Worked primarily as a food runner, busboy, and host.
- Assisted with many aspects of the restaurant throughout the summer and established meaningful connections and relationships with both customers and my co-workers.
- Offered continual assistance to the staff above and beyond my daily food running responsibilities.

2021 Aquatics Manager Temple Israel - Memphis, TN

- Aided the kindergarteners and 1st graders, making sure that they had a safe environment to swim and use the waterslides.
- Provided usage guidelines for and daily maintenance of all summer water slides
- Developed techniques for water slide safety ensuring a safe and fun summer for the children.

2020 SUMMER CAMP Memphis Jewish Community Center - Memphis, TN

- Counselor to kids at a summer camp with many indoor and outdoor activities.
- Ensured a safe and fun environment for all the campers.
- Worked with children between the ages of 12-15 to develop their leadership skills.

2019 CAMP DREAM STREET Camp Jacobs - Utica, MS

- Assistant counselor at Camp Dream Street alongside senior level counselors as we provided care, assistance, and an authentic camp experience for children with special needs .

EDUCATION

2020-PRESENT

College of Charleston

- BA - Computing in the Arts - Spring 2024
- Member of Delta Tau Delta Fraternity at The College of Charleston
- GPA: Cumulative 3.4, Major: 3.4

2016-2020

White Station High School 2016-2020

- National Honor Society

Relevant Projects:

- CSCI 370 - Mobile Application Development - For the final project, I worked with 1 classmate to create a "Bike Tracker" app. Built using Android Studio framework and public APIs, such as Geolocation, the app would first prompt the user to select one of three images of bicycles, then provide the user with GPS coordinates on the location of that bicycle to purchase or rent.
- CITA 280 - Game Programming - For this course's final, I worked with a partner to create a game from scratch. We chose the "tile-runner" genre – where the user directs the "runner" in an attempt to avoid oncoming in-game obstacles. The game was developed in Unity using C# and JavaScript and playable on Windows, macOS, and the Linux Platform using a keyboard's arrow keys as input.
- CITA 470 - Principles of Artificial Intelligence - I took a course that introduces fundamental techniques for artificial intelligence, covering heuristic search, knowledge representation, intelligent agents, reasoning, neural networks, genetic algorithms, and AI programming.
 - We've also explored additional topics like Bayesian networks, natural language processing, machine learning, rule-based systems, robotics, and discovery informatics, providing a comprehensive overview of AI applications.

- CSCI 495 - Capstone - As a group of four working with a teacher from a non-CS field, we have spent all of the fall semester on a program that detects distinctions between two pieces of art to determine whether those pieces were created by the same artist. All of this work is done using the scrum principles meeting with our mentor(s) every 2 weeks. Within some of the images, we can tell if they are done by the same hand. We can tell this information by the shape and size of the image. Using Python's PIL and Zipf library we can get clear information on the images, and the program gets more accurate when we can tell whether or not these images are by the same hand.

Cover Letter

Max Charney

901-653-8735 mwc925@gmail.com Memphis, TN

Dear,

Software development is something that I thoroughly enjoy doing on a daily basis. The feeling of accomplishing a successful run on programs motivates and drives me to learn and accomplish more.

My approach to software development is marked by collaboration, forward-thinking, and thoughtfulness. Though I find solace in the tranquility of individual development, my real passion and energy come out when working in a team environment.

Thank you in advance for your time and attention, and I truly look forward to hearing back from you.

Best,

Max Charney