

# Zi Win Lim

904-599-9661 | [ziwin1212@gmail.com](mailto:ziwin1212@gmail.com) | [github.com/Ziwin](https://github.com/Ziwin) | [linkedin.com/in/zi-win](https://linkedin.com/in/zi-win)

## EDUCATION

---

### University of Tennessee

Bachelor of Science in Computer Science, May 2023

GPA: 3.40

### Boston University

Computer Science, 2019-2020

## EXPERIENCE

---

### Software Engineer Intern | Airasia:

Jun 2021 – Aug 2021

- Modernized an existing internal system feature used by over 100 internal staff
- Customized React components that allowed for better unit testing and increased efficiency by 20%
- Containerized microservices using Docker and deployed to company's cloud platform
- Developed wireframes and mockups for web browsers by using Figma
- Participated in agile ceremonies including daily stand ups and one-on-one meetings

### Software Engineer Contractor | Supersharkz Swim School

Jan 2021 – Present

- Architected Express backend and deployed with Google Cloud Platform
- Interacted with 3rd party API to get real time sports data for use in the application
- Designed MySQL database schemas and custom authentication to support the application
- Contributed to reliability with rate limiting for calling other microservices and metrics

### Software Engineer Intern | IJM Corporation Berhad:

Jun 2020 – Dec 2020

- Worked with a team of 4 software engineers to propose solutions and resolve issues to boost company's efficiency
- Proposed a solution for data storing by designing a MySQL database to store over a million entries of employees' data
- Cut down paperwork by 80% using nodemailer library to automate emails for internal staff's daily reminders
- Data scraping with Node.js to extract employee's information to analyze over 500 employee's information
- Overhauled employee check in system that automatically clocks employees in using external API

## PROJECTS

---

### Pathfinding Visualizer

- Built a Vanilla Javascript application for visualizing pathfinding to better understand search algorithms
- Implemented A\* search algorithm and visualized with CSS
- Users can add obstacles to visualize how the algorithm reacts

### Weather Website

- Utilized Nodejs to develop a weather website
- Created a web app to display real-time weather data
- Parsed JSON data from weather API

## ACTIVITIES

---

### Hack4Impact UTK

Aug 2021 – May 2022

- Product manager for a team of 5 software engineers, developed websites for nonprofits
- Conducted bi-weekly team reflection meetings to hone individual member's skills
- Utilized Jira and Confluence to keep track of progress

## Technologies and Languages

---

- JavaScript, Node.js, Java, C, C++, Python, SQL, NoSQL, HTML, CSS
- Git, AWS, GCP, React, MySQL, MongoDB, Docker, Unix