

## EDUCATION

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### University of Wisconsin - Madison | Class of 2025

Madison, WI

- Bachelor's Degree in Computer Science, Data Science, Economics
- Computer Science Major GPA: 3.79
- Relevant Coursework: Machine Organization & Operating Systems, Data Structure & Algorithms, Database Management, Machine Learning, Advanced Programming for Java & Python

## SKILLS

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- Programming: C, Java, JavaScript, Python, HTML/CSS, R, SQL, Git
- Operating Systems: Linux, UNIX

## PROJECTS

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### Custom Shell | Creator

- Developed a UNIX shell, demonstrating strong command in C programming language, process management, and system calls
- Demonstrated understanding for UNIX-like shell environment and process group IDs
- Implemented support for pipes, enabling the composition of multiple commands and redirection of standard output
- Managed environment and shell variables, allowing for variable assignments, substitutions, and display using built-in commands
- Leveraged PATH environment variables to locate and execute external commands efficiently

## WORK EXPERIENCE

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### Jiu Zhen Nan Foods Co., Ltd. (Luxury Han pastry), May 2022 - Aug 2022

Kaohsiung, Taiwan

#### Data Analyst Intern

- Performed association analysis with Apriori on sales record of May of 2022 and provided insights regarding marketing strategies to managers
- Conducted RFM analysis with K-means clustering analysis on 10000+ memberships of Jiu Zhen Nan and contributed a better understanding of customer structures, enabling modifications for customer relationship management
- Combined multiple algorithms to predict the amount of customers per each branch
  - Obtained at least 80% accuracy for each branch
  - Used Random Forest, XGBoost, Decision Tree
- Constructed 5+ reports on Power BI regarding sales, revenue, performance tracking
  - Utilized SQL, Power Query
  - Worked across 5+ databases

### Gokube.co (e-Bike Sharing), Feb 2021 - Aug 2021

Kaohsiung, Taiwan

#### Project Manager

- Created an performance tracking system via excel sheets, responsible for tracking the performance of 20+ battery changing officers daily
  - The pay of battery changing officers fully depends on this tracking system
- Collaborated with Megaport Festival, cooperated with 5+ restaurants and 3 KOLs
  - There were 40,000+ participants, lasted for 2 days, 100+ performers
  - Facilitate tourism and encourage small businesses by associating Megaport festival and small restaurants in Kaohsiung
  - Negotiated with KOLs, with 3 Instagram posts marketing both Gokube.co and Megaport Festival
- Participated in the process of starting up of Gokube.co by recruiting interns from all highschoools in Kaohsiung and launching events regarding environment sustainability