

# Yu (Anny) Wu

Ann Arbor, MI | Email [annyw@umich.edu](mailto:annyw@umich.edu) | LinkedIn [yuwu5800](https://www.linkedin.com/in/yuwu5800) | Website [anny-wu.github.io](https://anny-wu.github.io)

## EDUCATION

**Master of Science in Engineering (M.S.E), Computer Science and Engineering** Jan 2024 - May 2025

*University of Michigan - Ann Arbor*

**Bachelor of Science in Engineering (B.S.E), Computer Science** Aug 2021 - May 2024

*University of Michigan - Ann Arbor*

**GPA:** 3.775/4.00

**Relevant Coursework:** Practical Data Science for Engineers, Data Structures and Algorithms, Introduction to Computer Organization, User Interface Development, Human-Centered Software Design and Development, Introduction to Artificial Intelligence, Introduction to Computer Security, Introduction to Machine Learning, Introduction to Operating Systems

**Honors:** University Honors, Dean's List, James B. Angell Scholar

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## PROJECTS

**Multi-threaded Scheduler (Language: C++)** Sep 2023

- Developed a concurrent disk request scheduling program, utilizing mutexes and condition variables, with an integrated verifier to validate results, resulting in improved disk request handling efficiency and accuracy

**Canine Challenge (Language: Python)** Mar 2023

- Trained a convolutional neural network for breed classification of dog images, incorporating data augmentation and supervised pretraining to acquire feature representation, resulting in an impressive testing AUROC score of 0.86

**Disease Classification Tool (Language: Python)** Feb - Apr 2022

- Utilized scikit-learn, pandas, and numpy libraries to train a range of supervised (Perceptron, Logistic Regression, Decision Tree, Random Forest, K-Nearest Neighbors, Gradient Boosting, Neural Network) and unsupervised (K-means clustering) models, achieving over 90% accuracy in diagnosing patients based on symptom data ([project report](#))
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## EXPERIENCE

**Fujian Funo Mobile Communication Technology Company** Fuzhou, China

*Software Engineer Intern - Internet Operations Team* Jun - Jul 2023

- Created a J2EE application with Spring Boot, incorporating robust role-based access control mechanisms, enabling different users to securely perform database CRUD operations via a user-friendly interface developed using Freemarker templates
- Implemented a microservices-based database display application using Spring Cloud Gateway and Eureka Server, effectively alleviating database load and enhancing scalability and service reusability within the architecture

**University of Michigan-Ann Arbor** Ann Arbor, MI

*EECS 492 (Introduction to Artificial Intelligence) Instructional Aide/Graduate Student Instructor* Aug 2023 - Present

- Facilitate weekly discussion sections and offer dedicated office hours, enhancing the learning experience for 500+ students

*Michigan Hackers - iOS Team* Aug 2021 - Present

- Developed and integrated the search user interface along with its A-Star search algorithm in an iOS app, catering to the needs of the student community by providing personalized navigation within classroom buildings to ensure punctual class attendance

*Research Assistant* Mar - Jun 2022

- Contributed to data preparation for NLP research at the School of Information, involving the classification of sentences according to their relevant social contexts, thereby generating 150+ essential training labels for machine learning models

*Tech Innovation Jam* Oct - Nov 2021

- Constructed a lo-fi prototype for a project matching app within a 4-week competition, encompassing problem definition, user interviews, persona creation, and wireframe design ([pitch deck](#))
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## LANGUAGES

**World Languages:** Fluent in English and Mandarin Chinese

**Programming Languages:** C++, Python, Java, C, Swift, SQL, JavaScript