

# Yu (Anny) Wu

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## EDUCATION

### Master of Science in Engineering (M.S.E), Computer Science and Engineering

Jan 2024 - Apr 2025

*University of Michigan - Ann Arbor*

### Bachelor of Science in Engineering (B.S.E), Computer Science

Aug 2021 - Dec 2023

*University of Michigan - Ann Arbor*

GPA: 3.857/4.00

**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*

Aug 2023 - Present

- Facilitate weekly discussion sections and offer dedicated office hours, significantly enhancing the learning experience for a cohort of 348 students enrolled in the course

*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