

Yi-Shan(Annie) Wu

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science, Concentration in Ai-track

Expected [Month 2026]

Cumulative GPA: 4.00/4.00

Relevant Coursework: Data mining, Machine learning

University of Alabama at Birmingham, Department of Computer Science

Birmingham, AL

Background Study of Computer Science

June 2024

Cumulative GPA: 3.70/4.00

Relevant Coursework: Algorithm, GPU programming, Probability and Statistic, Calculus I

TECHNICAL SKILLS

Languages: Python, C, Java, Arduino

Software and OS: Microsoft Office Suite, Android Studio, Linux, OS 10, CUDA

Additional: Microsoft PowerBI, Google App Script

PROFESSIONAL EXPERIENCE

Flow.Inc, Data Design Specialist | Taipei, Taiwan(R.O.C)

December 2018 – April 2022

- Used Google Apps Script to produce operational data and optimized team's work flow through automation
- Defined and presented data on team's work assignment, content, performance for manager in weekly online reports using Power BI
- Been recommend as a annual MVP team of VIIPS candidate

Recreation of UAB, Operations Attendant | Birmingham, AL

June 2023 – December 2023

- Customer Information of recreational equipment and monitor check-ins.
- Setup/breakdown for events and attend staff meetings.

RESEARCH EXPERIENCE

Breath Parameter Monitoring, Master Student | Vestal, NY

August 2024 - current

- Extraction and Analysis of Respiratory Motion using a comprehensive wearable health monitoring system.
- Implement teensy 4.1 with IMU and bluetooth microphone.

PROJECT EXPERIENCE

DrugPair2Vec on Colab GPU, coder | Birmingham, AL

August 2023 - November 2023

- Implemented PubMedBERT pretrained model and utilized DrugPair2Vec algorithm to analyze chemical interactions.
- Compared chemical similarities using Scikit-learn's Jaccard score.
- Integrated and analyzed drugs data from DrugBank Online to enrich research findings.

AWS Cloud Internet of Things, [Role] | [City, State]

June 2021 – August 2021

- Implemented an Arduino UNO program with Python on Raspberry Pi3
- To make specific spot alert and SNS alert practical, AWS IoT Core and Rule Engine were used to make AWS IoT Events send emails and DynamoDB to store data

LEADERSHIP EXPERIENCE

Girls Who Code, Community Outreach Committee | Vestal, NY

September 2024 - current

- Plan and host community coding and technology outreach events
- Empower more young girls to dive into Computer Science

PUBLICATIONS

In progress.