

Yiwei Bian

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Education

Bachelor of Science in Computer Engineering

August 2021- Present

University of Florida, Gainesville, Florida

GPA: 3.90/4.00

Current Industry Liaison of IEEE-HKN (Eta Kappa Nu)

Experience

Internship- TrendyTech

July 2023 – August 2023

- (10 hours per day), participated in the development of a cloud-based cooling energy-saving platform utilizing Spring Boot and Vue.

Internship- Ericsson

July 2023

- (8-10 hours per day), gained introductory knowledge in automated smart manufacturing process and 5G product testing.

Involvement

Leader

-Industry Liaison for IEEE-HKN:

January 2024 – Present

- Acted as the primary contact point for industry representatives, ensuring effective communication and implementing strategies to facilitate student exposure to industry practices.

Participant- Summer Workshop on Machine Learning:

July 2020 – August 2020

- Studied under the guidance of a professor from Carnegie Mellon University about robot learning, medical decision aids, and speech recognition systems, authored an in-depth analysis using Data Processing Methods and Models to Predict Cell Types from Cells' Gene Profiles

Research

Assistant

- Internet of Things for Precision Agriculture

February 2024 – Present

- Assisted in research investigating unconventional ways to transfer energy to a battery in agricultural applications. Utilizing I2C modules in microprocessors model BQ25756 and MSP-EXP430.

Projects

Personal

- Microprocessor-based Musical Synthesizer

August 2023 – December 2023

- Utilizing USART, DAC, TC, and DMA modules within microcontroller ATxmega128A1U to create a small interactive synthesizer with a computer keyboard.

Scrum Master- Web landing page design

August 2023 – December 2023

- Implemented Agile methodologies and Scrum practices to lead a team of software developers in developing a user-centric landing page for an Arduino-simulation website.

Team Member- WeCare automatic pill dispenser (Georgia Tech Hackathon): March 2023

- Designed an automatic pill dispenser to help patients with mental issues (3D-Modelling)

Skills

Technical: Microprocessor Application, 3D-Modelling

Programming: React, JavaScript, C++, C, JAVA, python, Assembly

Software: Visual Studio Code, Oracle Virtual Box, Microchip Studio, LTspice, Quartus, IntelliJ

Language: English, Mandarin

Interests: Table Tennis, Archery, Violin