

Suning Yao

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EDUCATION

New York University, Tandon School of Engineering

New York, NY

Major: B.S. in Mathematics

May 2024

GPA: 4.0

SKILLS

Programming Python · C · Swift

Web dev HTML · CSS · JavaScript · React · Node.js · Bootstrap

PROFESSIONAL EXPERIENCE

Microsoft

Shanghai, China

IoT Lab Intern — AI & IoT Insider Labs

Aug 2020 — Sep 2020

- Designed 3D printing models in SolidWorks and produced models operating FDM and SLA 3D printers to accelerate clients' prototype manufacturing
- Utilized Microsoft Azure Bot Service and Language Understanding to create a web-based customer service robot to analysis users' query and communicate with users
- Gained knowledge of cloud-based services, and earned Microsoft Azure Fundamentals certification by passing Microsoft's official examination

Technology: Microsoft Azure, C#, SolidWorks

PROJECTS

Website Development: social networking website

Jan 2021 — Feb 2021

<https://fewwwwwww.github.io/Hiish>

- Utilized React, React Hooks and TailwindCSS to build responsive front-end pages including login, user profile, instant chatting and feed timeline, and finally realize social networking website with real-time chatting, pictures sharing, and feed posting components
- Built the user login, picture uploading, and feed sending modules with Node.js in the back-end, used MongoDB to build the database for storing user information, and realized instant messaging through the WebSocket protocol

Technology: React, Node.js, WebSocket

Embedded Development: audio controlled digital button hardware

May 2020 — Sep 2020

<https://tinyurl.com/y44p96kx>

- Developed audio decoding module based on STM32 microcontroller, and designed PCB for the hardware to build a frequency recognition contactless digital button hardware
- Developed application in Visual Studio to achieve serial port communication between the hardware and computer to accomplish data demonstration and data storage
- Funded by NYU Tandon for winning 2020 Tandon Made Challenge (1/40)

Technology: C, C#, Keil5, Altium Designer