JENNY HUO

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WORK EXPERIENCE

HANDSFREE HEALTH | Intern   Virtual | May 2022 - Aug. 2022, July 2023 - Aug. 2023

Led testing and maintenance of integral software and applications, supporting migration and stability for a significant user base.

- Upgraded smart healthcare products to the latest firmware and device software to support tenant migration and enhanced stability for upwards of 5,000 users.
- Supported expansion of automated test suite for mobile, device, API and internal tool suites, as well as independently conducting manual exploratory testing.
- Increased code coverage through unit test development in C# and .NET, in content microservice and server API code.
- Adapted quickly to the software engineering team and became an active contributor through catching bugs and suggesting progress improvements.

JOHNSON & JOHSNON | *Product Development Co-Op*   West Chester, PA | Jan. 2023 - July 2023

Interfaced with Marketing Leaders, Supply Chain, and Senior Engineers throughout the medical device product launch process.

- Contributed to the development of orthopedic surgical instruments, demonstrating innovation and problem-solving skills. Gathered feedback from surgeons, made improvements, and received positive feedback.
- Maintained and updated the company's internal website used by dozens of employees daily, ensuring all information was accurate and enhancing user experience.
- Played a key role in onboarding new starts, providing necessary support, setting up meetings, and helping them integrate into the team and company culture.
- Created and presented a comprehensive reference sheet consolidating properties of various 3D printed and machined materials, providing valuable information for material selection in prototyping to hundreds of global employees
- Conducted strength and safety testing on numerous products, taking charge of designing test fixtures and writing test reports.

CYBER-PHYSICAL MANUFACTURING LAB | *Course Assistant*   Boston, MA | Mar. 2022 - Present

Trained students with using a manufacturing execution system, additive, and subtractive manufacturing for use in a smart factory

- Manage and develop user documentation for simulated manufacturing line machines and programs under the instruction of Mohsen Moghaddam.
- Demonstrate and teach equipment to Northeastern students in lab courses using created documentation.

PROJECT EXPERIENCE

WEBSITE CREATION | *Independent Venture*   Chester Springs, PA | July 2023 - Present

- Independently learned and applied JavaScript to design and develop a responsive portfolio website, showcasing projects, skills, and resume information.
- Utilized React to implement a dynamic layout, resulting in a visually appealing and user-friendly interface.
- Demonstrated self-motivation and resourcefulness by conducting thorough testing and debugging, resolving issues independently to ensure a smooth and error-free user experience.

TRIVIA CANDY DISPENSER | *Design Project*   Boston, MA | Jan. 2021 - May 2021

- Designed a candy dispenser that dispenses candy once the user answers 80% of questions correctly.
- Created 3D printed parts and a prototype in SolidWorks and laser cut AutoCAD designs
- Wired a Raspberry Pi along with Arduino parts for electronic components.

NORTHEASTERN ELECTRIC RACING | *Drivetrain Team Member*   Boston, MA | Sept. 2022 - Present

- Manage all aspects of a transmission as part of the drivetrain system.
- Analyze sprocket data in MATLAB for maximum efficiency and optimization.

EDUCATION

NORTHEASTERN UNIVERSITY | GPA: 3.66   Boston, MA | Sept. 2021 - May 2025

Dean's List: College of Engineering, B.S. in Mechanical Engineering, Minor in Computer Science

SKILLS

DESIGN: Creo, SolidWorks, AutoCAD, MATLAB, ANSYS (Static Structural)
SOFTWARE: C++, C#, SQL, JavaScript, Postman, Azure, Visual Studio, Microsoft Office (Word, PowerPoint, Excel)
LANGUAGE: English (Native), Mandarin (Conversational), Spanish (Conversational)
ADDITIONAL: 3D Printing (FDM, LCD Resin), Agile, Scrum