

# Benedict Hong

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Aspiring software engineer with hands on experience building full stack web and mobile apps using React, Firebase, and Node.js. Passionate about clean UI, scalable systems, and real-world impact.

## Education

**University of Michigan – Dearborn College of Engineering and Computer Science**

*Bachelor of Science in Software Engineering*

*Dearborn, MI*

*Aug 2022 – Jun 2025*

**Conservatory of Recording Arts and Sciences**

*Audio Engineering Certificate*

*Tempe, AZ*

*Nov 2019 – Dec 2020*

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, C/C++, SQL, HTML/CSS

**Frameworks:** React, Next.js, Node.js, Tailwind CSS

**Developer Tools:** Firebase, Vercel, Docker, Figma, expo-av

## Projects

**EHTS Wrist Worn Bias Detector** | [Website](#) | *React + Vite, Firebase, Tailwind CSS*

- Built a React web app with Firebase authentication, live data visualization, and responsive UI.
- Designed and implemented core functionalities, including front end interfaces, backend integrations, and database configuration using Firebase.
- Contributed to team collaboration through GitHub management, system research, and project organization.
- Delivered high quality solutions while adhering to project timelines and ensuring seamless user experience.

**Pomodoro Timer App** | [GitHub](#) | *React Native, Expo, TypeScript, React Hooks, expo-av*

- Developed a cross platform mobile application using React Native and Expo that implements the Pomodoro Technique to enhance productivity

**Epilepsy Tracker App (Hack Dearborn 2023)** | *Flutter*

- Created a health focused mobile app in 24 hours to assist users with epilepsy
- Contributed to front end UI/UX and device functionality using Flutter widgets.

## Work Experience

**Veoneer:**

*Engineering Intern, April 2024 – June 2025*

- Facilitated the launch of a new airbag module to a major OEM by conducting crash testing, electronic product validation, and hardware verification.
- Enhanced debugging processes by contributing to unit tests using J-Script for simulated testers.
- Optimized data processes through modifications to MATLAB scripts, significantly improving efficiency in parsing and analyzing Test Dewe files for EMC Testing.
- Developed and tested various sensors (B-Pillar, Front, C/D Pillar, and Pressure) to ensure readiness for customer release.

**Logitech – Blue Microphones:**

*Technician, March – July 2021*

- Assembled and repaired high end microphones, managing component level soldering and testing
- Managed inventory updates and organization using Oracle, ensuring accuracy and efficiency in stock handling.

**Blue Tint Recording Studios:**

*Head Audio Engineer, December 2020 – July 2021*

- Expertly mixed and mastered tracks for clients using Pro Tools and Ableton, ensuring high-quality sound production.
- Led engineering for extensive recording sessions, ranging from 5 to 12 hours, maintaining a high level of technical proficiency and client satisfaction.