Jonathan Eisenbrandt
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Summary

Computer Engineering Graduate with experience in Full Stack Software Development, Firmware Development, and Machine Learning. Focused on growth and collaboration in the tech community.

Education

Bachelor of Science in Computer Engineering   May 2023
University of Houston, Cullen College of Engineering - Houston, Texas
Graduated with University Honors
GPA 3.2

Relevant Coursework

Data Structures and Algorithms | Fundamentals of Software Engineering | Advanced Microprocessor Systems | Discrete Mathematics | Computer Architecture and Design

Experience

Full Stack Developer and Project Manager   December 2023 - Present
Immigrant Buddies, Houston TX

- Developed mobile interface using react leading to 20% increase in user engagement
- Established Project workflow and timelines
- Mentored 4 developers in agile project management

Full Stack Developer   January 2023 - October 2023
Erdos Miller, Houston TX

- Contributed to a comprehensive suite of tests to support CI/CD pipelines covering 80% of codebase to ensure code integrity
- Optimized Test environment build time by 100%
- Refactored command line application to run as background service which improved startup time by 10%
- Interacted with clients on a weekly basis to receive feedback on software products
- Customized test environments to closely mirror client settings for accurate deployment testing

Full Stack Developer   May 2022 - August 2022
Erdos Miller, Houston TX

- Increased PCB testing speed by >1000%
- Composed user guide for software package allowing technicians to understand the software
- Outlined road map for future development of project

Projects

BEMO Headset | University of Houston   August 2022 - May 2023

- Utilized machine learning to label emotions of users with 70% accuracy
- Redesigned headset based on headset used in neroexo project including 5 EEG sensors
- Created IOS application to display user data deployed on firebase

Hospital Management System | Personal   December 2023 - January 2024

- Developed web application using ASP.NET Core with C# using MVC patterns
- Utilized entity framework core for database management
- Conducted unit tests to ensure code integrity

Skills

Languages: Typescript, C++, C#, Python, HTML, CSS, C
Technologies: React, Next.js, .NET, QT, Git, Docker, Linux

Activities

IEEE   September 2019 - Present
ReactHTX   November 2023 - Present
Houston Robotics Group   December 2023 - Present