Visitxay Hanmonty

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Education

University of California Berkeley **Expected Graduation: May 2025**
Bachelor of Arts in Computer Science & Statistics

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Multivariable Calculus, Discrete Mathematics & Probability, Intro to Statistics & Probability, Assembly Language Programming/ Computer Organization

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Skills:

Programming: Javascript, Python, C/C++, HTML, CSS, Solidity, SQL/SQLite, React.js, Scheme, R, Flask, Plotly.js, Dash
Tools: Git, Github, Notion, Jupyter Notebook, Figma, WordPress, Squarespace

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Experience

Code For Good Berkeley **Berkeley, CA**
Software Developer *Sep 2023-Present*

- Integrate advanced algorithms and data structures using Ruby, optimizing the application's efficiency and responsiveness.
- Enhance user interaction and community engagement by integrating features such as comments, likes, and shares, utilizing JavaScript and Ruby on Rails.
- Ensure optimal visual experience and responsiveness across a variety of devices by employing advanced CSS techniques and responsive design principles.

PROJECTS

Ethereum Smart Contract - Developer [Solidity, MetaMask, JavaScript] *June 2022 - July 2022*

- Utilize Remix and Metamask browser extensions to write code in Solidity. Created and deployed a smart contract into the Ethereum network that allows users to exchange Airpod with Ethereum.
- Implemented clone contract applications to help users trade cryptocurrency with NFT.

Library Simulation - Project Manager/Developer [C/C++] Nov 2021 - Dec 2021

- Spearheaded a team of 5 in creating a comprehensive library simulation system using C/C++.
- Strategically incorporated advanced data structures: utilized hash tables for swift and efficient storage/retrieval of book details and leveraged dynamic arrays to streamline bookshelf organization and the checkout process.
- Embraced object-oriented programming (OOP) methodologies, crafting robust classes and objects to represent diverse entities like books, ISBN codes, and various library transactions, ensuring a scalable and intuitive system design.

FitBet - Front-end Developer [HTML/CSS/JavaScript] Oct 2022 - Oct 2022

- Pioneered the development of the 'FitBet' application, a unique platform that motivates users by allowing them to invest financially in their fitness goals. This not only heightened user commitment but also rewarded their progress with digital currency, further integrating the concept of DeFi into personal well-being.
- Utilized advanced frontend technologies including HTML, CSS, and JavaScript to deliver a responsive and intuitive user interface, ensuring seamless interaction and user satisfaction.
- Facilitated user engagement and retention by integrating a robust rewards mechanism, ultimately fostering a community of users dedicated to both their financial and physical growth.

Mapty - Developer [HTML/CSS/JavaScript] *June 2021 - July 2021*

- Executed proficient use of Object-Oriented Programming (OOP) to systematically categorize users into various cardio types by analyzing their physiological characteristics and exercise preferences.
- Engineered a dynamic, interactive User Interface (UI) employing HTML, CSS, and JavaScript, which enabled users to input workout details effortlessly and seamlessly toggle between varied workout types, enhancing usability.
- Integrated and manipulated geolocation APIs to pinpoint and visually represent the user's location on a map, providing a real-time, interactive, and personalized user experience.
- Enriched user interface and overall user experience by implementing various features like form toggling, smooth map interactions, and dynamic data rendering, thereby elevating user engagement and satisfaction.

SEMS - Developer [Flask, Javascript, HTML, CSS, Jupyter, Plotly] *August 2023-Nov 2023*

- Developed robust back-end architecture that displays four graphs using Flask and Plotly.js, enabling efficient real-time data processing and analysis for environmental monitoring sensors.
- Designed and implemented the user interface for the Smart Environmental Monitoring System using HTML/CSS andJavascript, enhancing user experience and real-time data visualization for healthcare applications.
- Played pivotal role in a cross-functional team of engineering students, collaborating to integrate diverse technological parts for SEMS