Siddharth Hathi

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Summary

I am a versatile engineer with experience in software development as well as UI/UX design. I played a key role in a technology startup contributing to marketing, design, engineering and project management. I work well within teams and I am extremely passionate about building awesome new technology. Currently enrolled at Dartmouth College studying Computer Science and Engineering

Education

Dartmouth College '24

Studying CS and Engineering, 3.72 GPA (Provisional)

Lakeside School '20

1570 SAT, 3.94 GPA

Stanford Machine Learning (Coursera)

Grade: 100%

Skills and Abilities

- JavaScript
- React.js
- Swift
- HTML5/CSS
- PHP
- c
- Java
- bash/shell
- c#
- Python
- Matlab
- Unity
- MySQL
- Firebase
- Web SEO
- Basic machine learning
- UI/UX Design
- Graphic design
- CAD Modeling
- Social media marketing
- VR/AR Developement
- Adobe Illustrator
- Adobe Photoshop
- Adobe Xd
- Videography
- Fluent in Spanish

Employment History

Research Assistant

Relatavistic Electron Atmospheric Loss (2021-Present)

- Created online satellite visualization tool using **React.js** that displayed a live 3D model of an orbiting satellite that updated in real time.

Chief Design Officer

Ghost Pacer (2019-2021)

Ghost Pacer builds AR training glasses for runners. They develop the complete system including firmware, optics, and the associated mobile app. Launched on Kickstarter Aug 2020.

- Designed Kickstarter campaign that generated **$150 thousand** in 30 days
- Created much of **iOS mobile app** including UI/UX, Strava API integration, map rendering, data architecture, analytics, bluetooth integration, and Firebase
- Designed and developed **product and corporate websites**
- Managed design for **marketing and social media** campaigns
- Part of **leadership team** where I contributed to strategy and management decisions

Assistant Project Leader

Dartmouth Humanitarian Engineering (2021-Present)

- Co-lead team of 15 Dartmouth students working on creating a cheap, multi-terrain wheelchair for use in urban environments
- Member of Executive board, where my responsibilities include managing the club's finances and securing project funding

Research Intern

Lakeside Summer Research Institute (2016)

- Adapted computer model of snowfall for avalanche forecasting and climate change research. Presented at UW conference.

Projects

- Built **website** for students in my high school that allows them to rate and review their classes
- Built **SwiftUI app** to connect restaurants to foodbanks
- Building **JavaScript messaging app** to enable more streamlined messaging and scheduling
- Built **lossless text compressor** using Huffman encoding
- Built server/socket based **multi-user image editor** (Java)
- Used **machine learning** to conduct analysis on stock market data using Python and web scraping
- Built **iOS game** using SpriteKit and custom physics that was distributed within my high school
- Built **VR game** that was distributed in my high school
- Built **2D rocket simulator** in Unity for high school physics
- **Volunteered** for a month in Colombia where I did manual labor and videography in rural village
- Won 3rd place in Washington state **photography** competition