Siddharth Hathi

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WORK EXPERIENCE

DUST Identity, Boston MA   **September 2022 – December 2022**
Software Engineering Intern
- Created a web application for managing customer accounts, visualizing product usage data, and managing authentication/security roles using React, Flask, and FastAPI

DALI Lab, Hanover NH   **September 2021 – Current**
Software Developer and Software Development Mentor
- Built an Oculus Quest VR application for visualizing metal structures/Bravais lattices using Unity and C#
- Built the course selection web application for Dartmouth ITC using React, Node Express, and Typescript

Ghost Pacer, Seattle WA   **June 2019 – January 2022**
Graphics Engineer (for Augmented Reality Startup that builds a lightweight AR headset for athletes using fully custom hardware and embedded software + firmware)
- Built the embedded augmented reality graphics engine using OpenGL ES 2.0, C, and C++
- Designed and created the Kickstarter campaign that generated $150,000 in 30 days
- Wrote a part of Ghost Pacer's iOS application using Swift/UIKit

Dartmouth College Department of Physics and Astronomy, Hanover NH   **January 2021 – June 2021**
Research Assistant for Relativistic Electron Atmospheric Loss (REAL)
Built an online data portal, satellite tracker, and project website for REAL using React and NodeJS

PERSONAL PROJECTS

Dartchat   **June 2023 – Current**
Encrypted group messaging app
- Built a shared-key encrypted group messaging application (React Native, Firebase, NaCl, and TypeScript)

Dartspot   **November 2022 – January 2023**
Web-based housing aggregator for students
- Built a scraping bot that used IP routing to pull data on rental listings from online housing platforms
- Built an API and a frontend using FastAPI/Typescript/React that allowed users to browse the listings

Food Waste Outlet   **May 2020 – July 2020**
- Built an iOS application using SwiftUI and Firebase to manage food waste in restaurants

Lakeside Course Reviews   **November 2019 – January 2020**
- Built a course review website for my high school using PHP and MySQL

EDUCATION

Dartmouth College, Hanover, NH   **June 2024**
Bachelor of Arts, Double Major in Computer Science and Mathematics   **GPA 3.54/4.0**
- ***Relevant Coursework***: Software Design | Discrete Math | Algorithms | Computer Architecture | Systems Engineering | Graph Theory | Applied Linear Algebra | Machine Learning | Real Analysis | Combinatorics | Data Structures | Dynamical Systems | Computer Graphics | Randomized Algorithms
- ***Honors:*** Neukom Scholar ('22 Summer) | Citation for Meritorious Performance ('20 Fall)
- ***Testing:*** SAT: 1570/1600 (800 Math, 770 Writing)

SKILLS

Programming Languages:
C | C++ | C# | Java | Python | Swift | Go (GoLang) | JavaScript/TypeScript | Ruby | HTML/CSS | PHP/MySQL | Matlab
Technologies:
Unity | XCode | SwiftUI | UIKit | React.js | Ruby on Rails | Node.js | Git | Firebase | Flask | FastAPI | Express.js | MongoDB | PostgreSQL | OpenGL | OpenGL ES | Embedded Systems Development | React Native | NaCl