Yash Patil

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EDUCATION

Stanford University, Pursuing a B.S. in Computer Science   2021 - 2025
- Relevant Coursework: CS 106B (Programming Abstractions), CS 44N (Computer Graphics), Math 51 (Linear Algebra & Multivar Calc)

EXPERIENCE

Software Engineering Intern — bit.io   June 2021 - Sept 2021
- Bit.io is building software to store, query, and share data securely and reliably
- Implemented real-time query support via WebSockets, visualization for PostgreSQL column statistics, and added plotting to support graphing and charting data
- Created Reddit and Twitter bots that auto-share relevant bit.io repositories based on post keywords

Co-founder & Software Engineer — Helping Hands Community   Mar 2020 - May 2021
- Helping Hands is a tech nonprofit that streamlines how essential groceries are delivered at scale. Food banks and social service organizations can fulfill deliveries via volunteers and ride-share drivers, en masse and on-demand
- Built the first iteration of the platform (React), backend infrastructure (Node.js + Firebase), and developed integration partnerships with logistics providers like Uber, Lyft, and Axlehire
- Over 700,000 meals delivered as of 08/01/2021 in 50 states

Grid Modeling Researcher — The Webber Energy Group at UT Austin   Aug 2019 - May 2021
- Designed digital models of Texas's electric grid to simulate economic dispatch, power transmission, and capacity expansion
- Developed a data aggregation pipeline to store, track, and compare model outputs across runs (Django + PostgreSQL)

Software Engineering Intern — Pei   May 2019 - Aug 2019
- Pei is a FinTech startup developing tech to apply automatic cashback with partner merchants
- Developed a referral program, friend system, and features to dispute missing or incorrect transactions

Software Engineering Intern — Pei   June 2018 - Aug 2018
- Created a web-based interface to display user analytics and consumer insights
- Implemented database cleaning scripts and a web app to allow ops to easily update database inconsistencies manually

PROJECTS

Echo — (getecho.app)
- Echo lets anybody start their own short-form podcast series
- Stimulated growth using custom web scrapers to cold-email Instagram and Twitter influencers on relevant hashtags

Ecuisina — (ecuisina.com)
- Ecuisina is a trading platform for users to barter home-cooked foods and experience authentic cuisines locally and affordably

Gimme SMS — (gimmesms.com)
- GimmeSMS lets users without cellular data plans access the web through SMS texting
- Implemented functionality for turn-by-turn directions, address locations, and weather information

HeyStay
- HeyStay allows RV campers to rent parking and household amenities on people's private property (Airbnb for RV camping)

SKILLS

Programming Languages: Python, Javascript, C++, Java, Node.js, HTML/CSS
Tools: React/React Native, Firebase, Git, Twilio, SQL, Google APIs, Django
Miscellaneous: 3D printing, Arduino, UNIX, Web scraping