Pranav Wadhwa

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WORK EXPERIENCE

Squarespace

Software Engineer Intern   05/2022-08/2022
- Implemented cross-functional A/B tests to determine the impacts of various commerce features on core user metrics for **~70,000 monthly active users**.
- Collaborated with the Stripe Terminal engineering team to provide more payment options for in-person sales.
- Increased number of eligible in-person sellers by **40,000 users**, surpassing the 2022 key result by over 70%.

Fueled

iOS Engineer   05/2021-05/2022
- Built a character library that asynchronously downloaded character textures for **immi**, a 3D animation iOS app, using Swift, ARKit, and Combine.
- Boosted production velocity for a mattress-technology iOS app as the **lead iOS engineer**.
- Developed a scalable VIPER architecture to optimize the engineering workflow for a COVID testing iOS app.
- Integrated automated UI tests into the CI/CD pipeline to prevent system failures.
- Promoted from intern to mid-level engineer, contributing **20+ billable hours/week** as a full-time student.

Wagr

Software Engineer Intern   06/2020-08/2020
- Designed and implemented key features for Wagr's sports betting iOS app, including user registration, bet-sending flow, and in-app messaging, using Swift, Firebase, and Figma.
- Engineered a Node.js algorithm that accurately handled **over $4,000 in hundreds of bets** during a beta trial.
- Contributions as a pre-seed engineer helped the team raise a **$4M seed round** from 776.

Yext

Software Engineer Intern   06/2019-08/2019
- Developed features and patched bugs for frontend websites with **millions of weekly users** such as Taco Bell and JCPenney using HTML, SCSS, and React-style JS frameworks.
- Designed a custom loading animation for the first Yext Answers search pages using SCSS.
- Wrote a web scraping tool in Python to automate the construction of Yext knowledge platforms, **saving dozens of hours of manual user effort**.

EDUCATION

Virginia Tech

  08/2020-05/2023
- B.S. in Computer Science. Expected graduation in May 2023. Current GPA = 3.93/4.0.
- Relevant coursework – Artificial Intelligence, Data and Algorithm Analysis, Human-Computer Interaction, Data Structures, Computer Systems, Mobile App Development, Applied Combinatorics.

Thomas Jefferson High School for Science and Technology

  09/2016-05/2020
- Attended the #1 ranked high school in the country. GPA = 4.41. SAT = 1590.
- Relevant Coursework – Artificial Intelligence, Computer Vision, Mobile App Research, Mobile and Web App Development, Data Structures.

SKILLS

iOS App Development: Xcode, Swift, SwiftUI, Objective-C, UIKit, ARKit, Combine, ReactiveSwift, A/B testing, Unit testing, UI testing, MVC, MVVM, VIPER architectures, REST API requests
Web App Development: HTML, CSS, JavaScript, TypeScript, React (React.js), JSX, Electron JS, Vue JS, Node.js, Express, jQuery, Python, Flask, Sass, SCSS
General programming: Python and Java algorithm design and data structures, C, C++, Git version control, HTTP protocol, SQL databases, Tensorflow ML, AI algorithms, Firebase, Linux and Unix OS

AWARDS AND HONORS

- Neo Scholar, 2022
- Healthcare Grand Prize at Stanford's TreeHacks 2021 (see Upright)
- Best Educational Hack at UVA's HooHacks 2021 (see Lecture Noted)
- Best Mobile App at HackTJ 2019, 2018, and 2017
- Best Overall Hack at Hackital 2017
- 3rd place at the International e-ICON App Contest hosted by the South Korean Ministry of Education (2019)

SELECTED PROJECTS

View all projects at pranavwadhwa.com.

Upright
Created a cross-platform desktop menu bar app that uses the laptop's camera in the background to locally correct sitting posture using Electron JS and Tensorflow PoseNet. Winner of the **Healthcare Grand Prize** award at TreeHacks 2021. View source code.

Lecture Noted
Developed an AI assistant that uses a GPT-3 language model to generate summarized notes from a YouTube lecture. Winner of the **Best Educational Hack** award at UVA's HooHacks 2021. Test out the live demo or view the source code.

YourFood
Wrote an ML algorithm in Python that generates restaurant recommendations using text vectorization and a cosine analysis. Displayed results in a SwiftUI-based iOS app. Read the research paper or view the source code.

Get Acting People
Engineered multiple Firebase Function endpoints in Node.js to automate the task of matching politically active Gen Z students with like-minded political campaigns, **saving 20+ hours/week of manual work.**