

Pranav Wadhwa

Software Engineer | Student at Virginia Tech

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Location: Gainesville, VA

Portfolio: pranavwadhwa.com

LinkedIn: [/in/pranavwadhwa](https://in.linkedin.com/in/pranavwadhwa)

GitHub: [/Pranav-Wadhwa](https://github.com/Pranav-Wadhwa)

Relevant Experience

Software Engineer Intern (iOS) — Fueled

05/2021 — Present

- Led the development of user flows from start to finish for client iOS apps using **augmented reality, machine learning, and hardware integrations**, as well as advanced design patterns such as MVVM and VIPER.
- Optimized the engineering team's workflow by building scalable scaffolding and automated CI tools.
- Currently contributing 20+ billable hours/week as a part-time contractor during the fall and spring semesters.

Software Engineer Intern — Wagr

06/2020 — 08/2020

- Designed and programmed key features for Wagr's sports betting iOS app, including onboarding, bet-sending flow, and in-app messaging, which directly impacted their investment pitches in the Pear VC accelerator.
- Led the development of a Node.js backend that **accurately handled over \$4,000 in hundreds of bets**.

Software Engineer Intern — Yext

06/2019 — 08/2019

- Developed features and patched bugs for frontend websites with **millions of weekly users**.
- Collaborated with the Yext Answers team to build powerful search pages for the first Answers clients.

Education

Virginia Tech

08/2020 — Present

- B.S. in Computer Science. Expected graduation in May 2023. Current GPA = 4.0/4.0. Class rank = 1/6,808
- Relevant coursework – Computer organization, data structures, combinatorics, human-computer interaction

Thomas Jefferson High School for Science and Technology

09/2016 — 05/2020

- GPA = 4.41. SAT = 1590. Relevant Coursework – Artificial Intelligence, Computer Vision, Mobile App Research.

Skills

iOS App Development: Xcode, Swift, SwiftUI, CocoaPods, ARKit, CoreML

Web App Development: HTML, (S)CSS, JavaScript, Node.js and Python servers, Electron JS, Vue JS

General programming: Python and Java algorithm design and data structures, Git version control, Basics of C and C++, HTTP protocol, REST API requests, Unit testing, SQL databases, Tensorflow ML

Awards

- Hackathon awards at Stanford TreeHacks 2021, UVA HooHacks 2021, HackTJ 2019, and Hackital 2017
– See projects section and web portfolio for details.
- 3rd place at the International e-ICON App Contest hosted by the South Korean Ministry of Education (2019)
- Recipient of the John L. Pratt Merit Scholarship in the VT College of Engineering

Selected Projects

View all projects at pranavwadhwa.com.

Upright

Desktop | Hackathon Project | 2021

Created a [desktop menubar app](#) that uses the 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.

Lecture Noted

Web | Hackathon Project | 2021

Developed [lecturenoted.tech](#): 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.

YourFood

iOS/ML | Independent Research | 2020

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](#).