

Pranav Wadhwa

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WORK EXPERIENCE

Bloomberg

Software Engineer

08/2023-Present

- Enhanced data preprocessing for a C++ and Kafka-based ingestion system that processes 25,000+ research publications daily on the Bloomberg Terminal
- Engineered a full-stack React, Flask, and PostgreSQL application to streamline account manager workflows, uncovering 7,000 new client optimization opportunities and boosting weekly client calls by 50%
- Architected an automated anomaly detection script to notify engineers of outages up to 80% faster
- Built and optimized a C++ service using Redis to deliver accurate client information for up to 1M requests/day
- Migrated legacy data distribution systems to Hadoop and S3, efficiently processing millions of data points weekly
- Leveraged Superset and PostgreSQL to visualize years of historical data, equipping account managers with insights that directly led to the acquisition of new clients in Japan
- Spearheaded an initiative to eliminate hardcoded secrets from codebases, assisting engineers with the adoption of secret protection tools and significantly enhancing security
- Developed an anomaly detection ML application using a SARIMA model to predict broker behavior and trigger early alerts for content volume fluctuations

Squarespace

Software Engineer Intern

05/2022-08/2022

- Wrote A/B tests for the Squarespace iOS app to release new commerce features for 70,000 monthly active users
- Collaborated with the Stripe Terminal engineering team to provide more payment options for in-person sales
- Increased the number of eligible in-person sellers by 40,000 users, surpassing the 2022 KPI by over 70%

Fueled

iOS Engineer

05/2021-05/2022

- Modularized architecture for a COVID-testing iOS app, which led to a 40% increase in users upon launch
- Built a character library for *immi*, asynchronously downloading textures using Swift, ARKit, and Combine
- Boosted production velocity and feature rollouts for a mattress-technology iOS app as the lead iOS engineer
- 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

- Engineered a Node.js algorithm that accurately handled over \$4,000 in sports bets during a beta trial
- Designed and implemented key features for Wagr's iOS app using Swift to help the team raise a \$4M seed round

EDUCATION

Virginia Tech

08/2020-05/2023

- B.S. in Computer Science. 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
- Awarded Dorothy R. Pauly Scholarship and John L. Pratt Scholarship
- Selected to Neo Scholars 2022 program

SKILLS

Backend Development: Python, JavaScript, TypeScript, Node.js, Java, C, C++, Kafka, Redis, Flask, Express JS, SQL, PostgreSQL (Postgres), MySQL, NoSQL, Tensorflow ML, numpy, pandas, Linux, Git, Artificial Intelligence, GCP

Frontend Development: React (React.js), HTML, CSS, SCSS, Sass, JS, Electron JS, Vue JS, REST API

iOS App Development: Xcode, Swift, SwiftUI, Objective-C, UIKit, ARKit, Combine, ReactiveSwift, A/B testing, Unit testing, UI testing, MVC, MVVM, VIPER architectures