Andrew Wang

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Junior software engineer with experience working in fast-paced and flexible teams. Effective at communicating with clients, collaborating with stakeholders, and managing changing priorities.

Education

B.S. in Computer Science, University of Virginia

May 2022

Courses: Cybersecurity, Computer Vision & Language, Operating Systems, Machine Learning, Software Development, Cryptocurrency, Designing Audio Effect Plugins

Online Courses: *Coursera* Machine Learning

Work Experience

Software Engineer II, Precise.ly

February 2022 – October 2022

Collaborated with a team of 4 to design and develop prototypes shown to investors and prospective partners, securing over $1,200,000 in funding.

- Designed role-based authorization architecture to manage permissions and patient data
- Created workflow to design, implement, and iterate on medical screening care pathways, reducing review and revision time by 3+ hours per week
- Built and validated UX functions for dynamic forms and personalized care modules

Software Engineer Intern, Aurora

May 2021 – August 2021

Developed a web application to visualize, analyze, and test routes for autonomous vehicles, increasing debugging efficiency by over 90%.

- Proposed 5 different architectures for review by stakeholders from 2 different teams
- Added gRPC service and command line tools to convert internal data into GeoJson
- Animated GPX routes with arrow overlay to assist vehicle operators

Software Engineer Intern, Capital One

June 2020 – August 2020

Created a web application that guides managers through project approval requirements with real-time updates, streamlining the project proposal process.

- Built a rendering library that dynamically renders flowcharts from a remote config file
- Deployed a serverless web application on AWS using a continuous integration pipeline

Web Developer, BAM Technologies

July 2018 – July 2019

Identified and resolved locking bottlenecks in database queries to increase application speeds by up to 50%. Released technical orders feature with search and mapping functionality.

- Led sprint reviews and clearly communicated project goals and milestones with clients
- Implemented unit tests and integration tests with Selenium to prevent broken releases
- Maintained platform used by over 300,000 enlisted personnel

Skills

Programming

JavaScript/TypeScript
Python
C/C++
Dart
Clojure

Frameworks

React
React Native
Flutter
Django

Cloud

AWS
Google Cloud

Tools

Docker
Jenkins

Databases

MySQL
PostgreSQL
DynamoDB

Design

Figma