

David J. Yoon

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EDUCATION

University of Virginia, Charlottesville, VA

August 2017 – December 2020

B.S in Computer Science

- **Cumulative GPA:** 3.8/4.0
- **Honors:** Magna Cum Laude, Dean's List
- **Relevant Coursework:** Operating Systems, Algorithms, Data Structures, Computer Architecture, Machine Learning, Information Retrieval, Database Systems, Cloud Computing, Internet Scale Applications

SKILLS

Programming: Java, Python, C#, C++, JavaScript, TypeScript, SQL

Frameworks/Tools: .NET, TensorFlow, Django, Docker, AWS, Google Cloud Platform, Hadoop, React, Node.js

EXPERIENCE

Appian Corporation, Tysons Corner, VA

March 2021 – Present

Software Engineer

- Working with a team of 11 to redesign the experience of building software on Appian for 2000+ companies

UVA School of Engineering and Applied Science, Charlottesville, VA

May 2019 – December 2020

Undergraduate Research Assistant – Professor Hongning Wang

- Integrated various learning algorithms into a smart building framework for 5+ common buildings across the country
- Optimized existing machine learning models by evaluating adversarial attacks to existing connected traffic models

University of Virginia, Charlottesville, VA

August 2020 – December 2020

Undergraduate Teaching Assistant – CS 3240

- Providing mentorship on semester-long full stack web development projects for five teams of students
- Holding office hours, grading assignments, and collecting curriculum feedback on a weekly basis

Relativity, Chicago, IL

May 2020 – August 2020

Software Engineering Intern

- Redesigned backend API pipeline to enable easier 3rd party app integration and version control for developers
- Executed UI redesign plans and addressed defects for cleaner user experience with the Relativity application
- Gained experience with .NET, C#, TypeScript, Aurelia, Microsoft SQL Server, and Jenkins

TedxUVA, Charlottesville, VA

June 2018 – August 2020

Marketing Chair / WebMaster

- Managed content creation and edited promotional videos for the 2019 and 2020 TEDxUVA conferences

Alarm.com, Tysons Corner, VA

June 2019 – August 2019

Software Engineering Intern

- Developed a backend client/server model that enables the company to troubleshoot and connect lost video cameras to Alarm.com's admin site
- Remodeled system networking pipeline to cleanly pass instructions between cameras, phones, and dealers
- Gained experience with .NET, C#, Git, Android Studio, and JavaScript

PROJECTS

JerseyMarket

September 2019 – December 2019

- Built a multi-tier architecture soccer jersey marketplace utilizing Docker, Django, and SQLite
- Implemented a working search engine pipeline for user jersey search with Elastic Search and Kafka
- Provided user jersey recommendations by generating co-views using Apache Spark

Yelp Personalized Recommender System

February 2020 – May 2020

- Created a recommendation system using NLP that can predict user Yelp review star ratings with 96% accuracy and give personalized restaurant recommendations based on user review sentiment