

David Yoon

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF VIRGINIA

☎ (+1) 703-447-0083 | ✉ davidjyoon7@gmail.com | 🏠 www.davidjyoon.me | 📷 davio606 | 🌐 david-j-yoon

Experience

Appian

McLean, Virginia

SOFTWARE ENGINEER

Mar. 2021 - Present

- Led initiative to assimilate Appian Portals into the DevOps pipeline to allow customers to easily deploy highly scalable, lightweight sites
- Enhanced the developer experience of using deployment plug-ins by enabling seamless deployments and hotfixing old versions to integrate new features
- Introduced features to expand DevOps capabilities on Appian by incorporating versioning tools for comparing Appian objects and predicting deployment errors

Relativity

Chicago, Illinois

SOFTWARE ENGINEERING INTERN

May. 2020 - Aug. 2020

- Redesigned backend REST API pipeline to enable versioning for existing APIs and better 3rd party app integration for clients.
- Implemented revamped UI plans in the client developer interface, increasing customer interactions with imaging and productions
- Gained experience with .NET, C#, TypeScript, Microsoft SQL Server, and Jenkins

Alarm.com

Tysons Corner, Virginia

SOFTWARE ENGINEERING INTERN

Jun. 2019 - Aug. 2019

- 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 C#, .NET, and Socket Architecture (TCP/IP)

Projects

Appian DevOps Insider Hackathon

McLean, VA

ML DEVELOPER

Oct. 2021

- Introduced an algorithm with >80% accuracy that predicted the estimated time remaining for import/export operations in Appian's DevOps process
- Collaborated with a team of 10+ engineers to deploy predictive model in a Kubernetes cluster to simulate usage of algorithm for cloud customers

PogiBot

Centreville, VA

CREATOR

Jan. 2021

- Generated a chatting bot on Twitch that allows users to use several commands to interact with streamer @Pogiipoints and over 1,300 followers
- Developed using Twitch API, JavaScript, and Node.js

Yelp Personalized Recommender System

Charlottesville, VA

DEVELOPER, WRITER

Feb. 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

JerseyMarket

Charlottesville, VA

DEVELOPER

Sept. 2019 - Dec. 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

Education

University of Virginia

Charlottesville, VA

B.S. IN COMPUTER SCIENCE - GPA: 3.8

Aug. 2017 - Dec. 2020

- Relevant Courses: Data Structures, Algorithms, Computer Architecture, Operating Systems, Machine Learning, Information Retrieval

Skills

Languages

Java, Python, C#, C++, C, JavaScript, SQL, GraphQL, R

Frameworks/Technologies

React, .NET, Django, Node.js

Tools

AWS, Docker, Kafka, Elastic Search