David Yoon

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Experience

Appian   *McLean, Virginia*
Software Engineer II   *Mar. 2021 - Present*

- Constructed API structure between Appian's main platform and process mining, enabling seamless integration for analysts
- Created Kafka queue system for incorporating Appian portals into the DevOps pipeline, saving users 5+ minutes for each publish
- Supported full user deployment capability and backwards compatibility for over 20+ customers
- Incorporated versioning tools for comparing Appian objects and predicting deployment errors

Relativity   *Chicago, Illinois*
Software Engineering Intern   *May. 2020 - Aug. 2020*

- Built out versioning backend REST API pipeline for better 3rd party app integration.
- 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 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

Iconbrick/Minifig   *Herndon, VA*
Developer   *Dec. 2022 - Present*

- Integrated AWS Webapp for a lego character customization app, set to go live for over 800k social media followers
- Improved site loading performance by over 70% with the usage of AWS S3 and Cloudfront

DC Central Kitchen   *McLean, VA*
Developer   *Aug. 2022 - Present*

- Collaborated with a team to create a volunteer management system utilizing Appian for over 1000 volunteers in DCCK
- Initiated a volunteer event registration and check in process, actively used for 100+ events

Appian DevOps Hackathon   *McLean, VA*
ML Developer   *Oct. 2021*

- Introduced an algorithm with >80% accuracy for estimating time remaining in Appian's DevOps process
- Deployed 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 3k users to use several commands to interact with streamer @Pogiipoints
- 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

Skills

Proficient   Java, Python, C#, Kafka, JavaScript, Django
Familiar   C++, R, React, SQL, Postgres, TypeScript, Elasticsearch, AWS, Node.js

Education

University of Virginia   *Charlottesville, VA*
B.S. in Computer Science   *Aug. 2017 - Dec. 2020*

- Magna Cum Laude, Entrepreneurship Minor