David J. Yoon

703-447-0083 | djy6cg@virginia.edu | davidjyoon.me

EDUCATION

University of Virginia, Charlottesville, VA   August 2017 – January 2021
B.S in Computer Science with Minor in Entrepreneurship
- **Major GPA:** 3.83/4.0 | **Cumulative GPA:** 3.73/4.0
- **Relevant Coursework:** Operating Systems, Algorithms, Data Structures, Computer Architecture, Machine Learning, Information Retrieval, Internet Scale Applications

SKILLS

Programming: Java, Python, C#, C++, JavaScript, TypeScript, C, HTML/CSS, SQL
Frameworks/Tools: .NET, TensorFlow, Scikit-learn, Django, Docker, Hadoop, React, NodeJS

WORK EXPERIENCE

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 C#, TypeScript, Aurelia, SQL Server, and Jenkins

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 C#, Git, Android Studio, and JavaScript

UVA School of Engineering and Applied Science, Charlottesville, VA   May 2019 – Present
Undergraduate Research Assistant – Professor Haiying Shen
- Optimized existing machine learning models by evaluating adversarial attacks to existing connected traffic models
- Gained experience with Python, Pandas, Tensorflow, and Keras

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

UsablePrivacy   June 2019 – December 2019
- Worked with Professor Yuan Tian to investigate company privacy policies and model their effectiveness in Python
- Designed a crawler to gather design documents of mobile/IoT apps on Github

LEADERSHIP

TedxUVA, Charlottesville, VA   June 2018 – Present
Marketing Chair / WebMaster
- Managed content creation and edited promotional videos for the 2019 and 2020 TEDxUVA conferences

HackCville, Charlottesville, VA   October 2017 – August 2019
Data Agency Co-Lead
- Coordinated with a small team of UVA students to identify patterns for local businesses in the Charlottesville area