

David J. Yoon

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EDUCATION

University of Virginia, Charlottesville, VA

August 2017 – December 2020

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#, C, SQL, x86 Assembly, JavaScript, HTML, CSS, Swift

Frameworks/Tools: .NET, Git, Node.js, TensorFlow, Scikit-learn, Django, Pandas, Docker, Linux, MATLAB

WORK EXPERIENCE

Relativity, Chicago, IL

May 2020 - Present

Incoming Software Engineering Intern

- Imaging and Productions Team

Alarm.com, Tysons Corner, VA

June 2019 – August 2019

Software Engineering Intern

- Developed a new backend client/server model using that enabled the company to troubleshoot and connect lost video cameras to Alarm.com's admin site
- Worked meticulously with computer networking to cleanly pass instructions between cameras, phones, and dealers

UVA School of Engineering and Applied Science, Charlottesville, VA

May 2019 – Present

Undergraduate Research Assistant – Professor Haiying Shen

- Introduced and tested adversarial attacks to existing connected traffic models for the purpose of optimizing neural network structures

UVA Information Technology Services, Charlottesville, VA

September 2018 – June 2019

IT Help Services Intern

- Assisted in sorting through technology related complaints submitted by students and faculty and created reports documenting level 1 help desk cases

PROJECTS

JerseyMarket

September 2019 – December 2019

- Built a 3-tier e-commerce site using Docker, Django, HaProxy, and TravisCI that is designed to sell soccer jerseys
- Implemented a working search engine for user jersey search using Elastic Search and Apache Kafka

Yelp Personalized Recommender System

February 2020 – May 2020

- Created a recommendation system that can predict user 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 natural language privacy policies and model their effectiveness in privacy protection
- 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 storyboarding 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