

# David J. Yoon

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## EDUCATION

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**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

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**Programming:** Java, Python, C#, C++, JavaScript, C, HTML/CSS, SQL

**Frameworks/Tools:** .NET, TensorFlow, Scikit-learn, Django, Docker, Hadoop, React, NodeJS

## WORK EXPERIENCE

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**Relativity**, Chicago, IL

May 2020 – August 2020

*Software Engineering Intern*

- Working on the 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
- Remodeled system networking pipeline 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*

- Examined and evaluated 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

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**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 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 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

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**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