

Alex L. Yu

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EDUCATION

University of Virginia, Charlottesville, VA
B.A. Computer Science with Double Major in Commerce

Aug. 2020 – May. 2024

- GPA: 3.92

Thomas Jefferson High School for Science and Technology, Alexandria, VA
High School Diploma

May 2020

- GPA: 4.49

WORK EXPERIENCE

Captial One, Software Engineering Intern

McLean, VA | *Jun. 2023 – Aug. 2023*

- Product developed and implemented an internal slack application aiding performing data stewards to better perform metadata checks/updates and easily view dataset metrics and tasks in the application dashboard
- Refactored metrics dashboard to scan and flag datasets that are uncompliant with enterprise data policies using backend APIs and drove the integration of an AI assistant chatbot into the application using Tensorflow and other NLP techniques
- Utilized Amazon Web Services (ECS Fargate, S3, IAM) and performed DevOps to facilitate scalable and efficient deployment of the Slack application

Yext, Software Engineering Intern

Washington D.C. | *May 2022 – Aug. 2022*

- Designed, bug fixed, and implemented search analytics on store locator pages using HTML, CSS and Javascript for notable companies/brands such as Sanrio Ltd., JD Sports, and Dunkin'.
- Created automated Out of Office messaging within intra-company communication mediums via Slack API

Leidos Inc., Systems Engineering Intern

Vienna, VA | *Jun. 2021 – Aug. 2021*

- Completed security checklists on PostgreSQL database running on in-house application server and RHEL 7
- Automated MS Excel spreadsheet updates by writing Python script using openpyxl and Pandas libraries

Storage Scholars LLC, Campus Co-Founder

Charlottesville, VA | *Mar. 2021 – Present*

- Co-founded a branch of Storage Scholars, a storage service by students for students at UVA, managing over 40 employees.
- Acquired key card access to student dorms becoming one of the largest student storage services on campus and on track to serving as the university's exclusive partner of storage service for incoming students.
- Facilitated logistical operations and marketing, to serve over 250 paid customers, generating over \$100,000 in revenue this past year, representing an over 150% increase in customers and near 300% increase in total revenue from the pilot year.

EXTRACURRICULAR ACTIVITIES

Virginia Finance Institute (VFI), Vice President of Technology

Charlottesville, VA | *Jan. 2022 – Present*

- Organized UVA's first and second undergraduate investment conference and stock pitch competition hosting 20+ teams across 8 schools and featuring renowned investing keynote speakers and panelists.
- Maintained the VFI website and distributed and safeguarded the curriculum for members of the organization via site.

ASMBL

Charlottesville, VA | *Sep. 2022 – May. 2023*

- Co-founded a project idea to turn text description of computer parts into generative 3D assets using photogrammetry techniques and machine learning models.
- Spearheaded machine learning model development to conduct image classification

Knee ROM Calculator and Motion Tracker

Charlottesville, VA | *Aug. 2023 – Present*

- Developed a Python program using OpenCV library to calculate knee flexion and extension angles to track knee range of motion during ACLR rehabilitation.
- Integrated Tensorflow model to track biomechanics to identify missteps when performing physical therapy exercises.

ADDITIONAL INFORMATION

Programming, Design Languages, and Tools: Python, Java, C++, Javascript, HTML, SQL, CSS, React, Git

Certifications: IBM Data Science Professional Certificate (*Dec 2020*), Excel Skills for Business Specialization (*Dec. 2020*)