Brian Yu

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Education

B.S. Computer Science, University of Virginia, Charlottesville, VA
May 2021, **4.0 GPA**
Relevant Courses: Program and Data Representation, Algorithms, Internet Scale Applications
Thomas Jefferson High School for Science and Technology, Alexandria, VA
Class of 2017, 4.36 GPA

Experience

Software Engineer Intern, FireEye, Reston, VA — May 2018 - Aug 2018
- Developed a dashboard that allows developers to monitor asynchronous job statuses and restart jobs from a web browser
- Implemented a CMS for the FireEye iSight Intelligence Portal production FAQ, enabling non-technical stakeholders to keep FAQs up to date
- Gained experience with React/Redux, Ruby on Rails, Git, Kanban, and software testing.

Software Engineer, theCourseForum, Charlottesville, VA — Feb 2018 - Present
- Developed a new scheduling tool that helps students choose an optimal schedule
- Worked with a team of all UVA students on a product used by over 5,000 other UVA students
- URL: https://thecourseforum.com/
- Worked with MySQL, Ruby on Rails, and JavaScript.

Project Work

Creator, ReInform — Mar 2018
- Built a platform that allows citizens to easily learn more about congressmen's sources of funding and bill history.
- Developed frontend using React/Redux and the backend using Python Flask
- Won 1st place at Disrupt the District
- URL: https://reinform.me

Creator, Tracking Foot Traffic over IP Webcams — Dec 2017
- Developed a system that monitors foot traffic in specific locations over internet connected webcams using Python, Jupyter Notebooks, Flask, and the YOLO convolutional neural network architecture.
- URL: https://news.ycombinator.com/item?id=15874866

Undergraduate Researcher, UVA Link Lab — Jan 2018 - May 2018
- Developed GUIs in Matlab that adequately inform drivers of autonomous vehicles' intentions in order to reduce driver anxiety and increase driver trust.

Leadership

Program Lead, HackCville, Charlottesville, VA — Sep 2017 - Present
- Lead HackCville's Node data science program
- Taught class of 18 students from wide range of technical backgrounds about data visualization, regression, web scraping, and machine learning in Python

Vice President, Machine Learning Club, University of Virginia — Sep 2017 - Present
- Organized guest speakers, workshop sessions, and projects for weekly meetings, growing club from 10 to 40 members
- Contributed to weekly reading group discussions about relevant machine learning scientific papers and articles

Accomplishments

Dean's List — 2017 - Present
National Merit Scholar — 2017
National AP Scholar — 2017

Skills

Proficient: Python, Ruby, Java, C/C++, JavaScript, React
Learning: Rust