

# Brian Yu

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**Objective** Seeking a summer internship in software engineering with high impact and opportunity for growth.

**Education** **B.S. in Computer Science, University of Virginia**, Charlottesville, VA  
Expected: May 2021  
4.0 GPA  
Relevant Courses: Program and Data Representation, Linear Algebra, Discrete Math

**Experience** **Software Engineer**, theCourseForum, Charlottesville, VA Feb 2018 - Present

- Maintain and develop new features for UVA's premier academic planning application. URL: <https://thecourseforum.com/>
- Work with backend and front end web technologies like MySQL, Ruby on Rails, and JavaScript.

**Web Developer**, Insight Interfaces, Washington D.C. Jun - Aug 2016

- Designed and developed a video conferencing web application using HTML/CSS/JS, Python, and Django for a D.C. based telecom startup

**Activities and Project Work** **Program Coordinator**, HackCville, Charlottesville, VA Sep 2017 - Present

- Program Coordinator for HackCville's Node data science program
- Teach students about data visualization, linear/logistic regression, text analysis, and web scraping in Python

**Treasurer**, Machine Learning Club, University of Virginia Sep 2017 - Present

- Work on projects related to machine learning to showcase at weekly meetings
- Contribute to weekly reading group discussions about relevant machine learning scientific papers and articles

**Creator**, ReInform Mar 2018 - Present

- 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>

**Undergraduate Researcher**, UVA Link Lab Jan 2018 - Present

- Develop GUIs in Matlab that adequately inform drivers of autonomous vehicles' intentions in order to reduce driver anxiety and increase driver trust.

**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>

**Accomplishments** Dean's List 2017 - Present  
National Merit Scholar 2017  
National AP Scholar 2017

**Skills** Proficient: Python, Java, C/C++, JavaScript, React JS  
Learning: Rust, Lisp