

# Christopher Brokenshire

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## EDUCATION

William & Mary, Williamsburg, VA Expected May 2025  
Bachelor of Science in Computational Applied Mathematics and Statistics, GPA: 3.68  
Relevant Coursework: Econometrics, Algorithms, Neural Networks, Statistical Learning, Deep Transfer Learning, Mathematical Statistics

## TECHNICAL SKILLS

**Programming Languages:** Python, R, SQL, JavaScript, C++

**Data Analysis and Statistical Tools:** R, Excel

**Markup and Scripting Languages:** RMarkdown, LaTeX, HTML

**Additional Skills:** French (fluent), Spanish (intermediate), Italian (fluent)

## RELATED EXPERIENCE

William & Mary, Williamsburg, VA November 2023 - Present  
**Machine Learning Research Assistant**

- Selected to be in Professor's Gao Machine Learning lab, where I help her continue to refine and explore domain generalized classifiers with applications in healthcare.
- Developing a model using PyTorch that is able to classify various abstractions of numbers using Adversarial Discriminative Domain Adaptation.

Visual Alpha, Tokyo, Japan June 2023 - Present  
**Software Developer**

- Initially joined as a Software Developer Intern and transitioned to a part-time remote Software Developer role due to outstanding performance, demonstrating flexibility and dedication.
- Developed a sophisticated PDF parser in Python capable of extracting complex graphical data from pdf documents and translating it into JSON. I later transitioned this method's core logic into a web service by leveraging AWS and Docker.
- Recently developed programs for universally removing watermarks, OCRing pdf documents, and detecting irregularities within financial statements, methods that have all made it to production.
- Currently meeting twice a week with the core team of developers on integrating GPT-4 into the company's pdf parsing pipeline for increased accuracy and efficiency.

SiceMe, Bethesda, MD May 2020 - May 2022  
**Chief Technology Officer**

- Moved to Florida during a gap year to take part in the start-up SiceMe, a specialized ecommerce marketplace targeting college students.
- Spearheaded technological initiatives by serving as the project manager, taking the company's mobile app from concept to deployment.
- Gained hands-on experience in JavaScript and HTML, integral in both the development and troubleshooting stages of the project.
- Collaborated closely with the CEO to develop and implement strategic growth initiatives aimed at expanding the user base and revenue streams.
- Victorious in multiple pitch competitions, securing a total of **\$32,000** in winnings. Notable awards the SiceMe team won include the *Gilded Social Rising Entrepreneur Award* and the *Panasci Business Plan Competition*.

## ADDITIONAL EXPERIENCE

Catholic Campus Ministry Fall 2022 - Present  
• Actively engage with students to strengthen their faith and foster a supportive environment for the student body.  
Beta Theta Pi (Fraternity) Fall 2020 - Present