Christopher Brokenshire

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EDUCATION

William & Mary, Williamsburg, VA   Expected May 2025
Bachelor of Science in Computational Applied Mathematics and Statistics, GPA: 3.60
Relevant Coursework: Econometrics, Algorithms, Graph Theory, Statistical Learning, Intro to Machine 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