**Kate D’Amato**

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**TECHNICAL SKILLS**

* Programming Languages: Python, R, SQL, HTML, CSS
* Data Analysis Tools: Pandas, NumPy, Matplotlib, Seaborn, EViews, Stata, R Studio
* Visualization Tools: Python visualization libraries (Matplotlib, Seaborn), Tableau, PowerBI, Excel
* Database Management: SQL query development, Airtable, data structures, complex joins
* Business Intelligence: Data pipeline automation, reporting systems, dashboard creation
* Statistical Modeling: Neural Networks (ANNs), Random Forests, time-series Analysis, predictive modeling, econometric analysis
* Project Management: Agile methodologies, cross-functional collaboration

**DATA ANALYSIS EXPERIENCE**

**American Bankers Association,** Washington, DC— *Innovation Strategy and Policy Intern* June 2025 – Present

* Developed automated business intelligence solutions using Python to collect and analyze data on 50+ emerging banking technologies, creating comprehensive analytical databases with 1,000+ data points for strategic decision-making and visualizations through PowerBI and Tableau.
* Developed and authored 12+ white papers and one-pager studies on emerging technologies including various forms of AI, blockchain, APIs, as well as digital payment solutions, providing strategic insights for community bank adoption and implementation.
* Created data visualization dashboards and analytical reports that transformed raw data into actionable insights for 200+ banking professionals across regional markets
* Built complex SQL queries and data structures to process and analyze financial technology datasets, enabling real-time business intelligence reporting for executive leadership.
* Organized, coordinated, and delivered 8+ comprehensive presentations to community bank executives on critical emerging technology trends and digital transformation initiatives in the financial sector, effectively reaching 200+ banking professionals across diverse regional markets.

**Christopher Newport University,** Newport News, VA — *Research Assistant* August 2022 – Present

* Created data visualization dashboards and analytical reports that transformed raw data into actionable insights for 200+ banking professionals across regional markets.
* Developed predictive models to assess economic policy impacts, demonstrating proficiency in statistical programming and analytical problem-solving.
* Conducted time-series analysis research with R studio on "Covid-19 State Lockdown Policy and Inflation," exploring the economic implications of pandemic-induced lockdown measures through a Dynamic Panel Data Model and successfully secured an Independent Research Grant. This project was ***published*** in the August 2024 issue of the [Atlantic Economics Journal](https://link.springer.com/article/10.1007/s11293-024-09804-0?utm_source=rct_congratemailt&utm_medium=email&utm_campaign=nonoa_20240820&utm_content=10.1007/s11293-024-09804-0) after years of continued work in the publishing process.
* Secured a research grant to conduct a comprehensive analysis of governmental legislation concerning environmental impact, employing panel dataset methodologies, and employing a diverse range of research methods to generate insights crucial for informed policy decisions.
* Presented research findings at the 2023 Paideia Annual Conference in Newport News, honing public speaking and presentation abilities.

**Reiff Center for Human Rights and Conflict Resolution,** Newport News, VA — *Research Fellow* January 2024 – Present

* Assisted the Reiff Center Director, in the coordination and execution of multifaceted research initiatives centered around human rights issues.
* Employed advanced proficiency in Google Sheets and Microsoft Excel to meticulously manage and analyze datasets crucial to ongoing projects
* Navigated intricate technical documents such as court judgments, demonstrating a commitment to continuous learning and development.
* Leveraged **R and Python** for data cleaning and analysis of complex survey results from over 5000 participants with up to 50 questions per survey.

**U.S. Senate Committee on Agriculture, Nutrition, and Forestry,** Washington, D.C. — *Clerk Staff Intern* May 2023 – May 2024

* Participate in bipartisan hearings, administrative meetings, and constituent communication to better understand the legislative process.
* Identify 1,000 + *public laws* and meticulously recorded legislation information for 2,000+ reports and executive communications into a new database system as well as backfilling 500+ hearings and business meetings, ensuring accurate and accessible data management.
* Maintain daily administrative duties such as answering the phones, managing records, and boosting the office’s physical and digital organization.
* Earned supervisors’ trust to work independently in a remote setting leading to an offer to extend the internship beyond the initial period.

**TECHNICAL PROJECTS**

**Data Analysis & Visualization Projects (**[**GitHub Portfolio**](https://github.com/katedamato)**):**

* Sea Level Predictor: Developed predictive statistical models using Python (Pandas, NumPy) and advanced data visualization techniques to forecast sea-level trends from complex environmental datasets
* Medical Data Visualizer: Built comprehensive business intelligence solution for healthcare data analysis, including data cleaning, statistical analysis, and interactive visualization dashboards for actionable insight
* Demographic Data Analyzer: Statistical analysis and visualization of demographic distributions across countries leveraging python packages.
* Time Series Visualizer: This project read and cleaned data utilizing pandas and applied time series analysis for website page view data.
* Portfolio Site: This project leveraged HTML for the backbone and CSS for styling of a personalized portfolio page with project updates.
* **Financial Analytics Dashboard:** Created automated reporting system using Python and SQL to process banking sector data, generating real-time business intelligence reports for strategic decision-making (demonstrated during ABA internship).

*Completed as part of FCC Data Analysis with Python Certification (300+ hours)*

**EDUCATION**

**Christopher Newport University — Honors Program |** Newport News, VA  Fall 2022- December 2025

*Bachelor of Arts in Mathematical Economics with a minor in Business Administration and certificate in Data Analytics* ***GPA: 4.00***

Mathematical Economics major with extensive coding and analytical experience, applying quantitative and programming skills to build data-driven solutions. Experience includes machine learning models, neural networks in R, econometric analysis, and predictive modeling. Completed Free Code Camp Data Analysis with Python Certification and currently pursuing Full-Stack Developer coursework.

Relevant Coursework: Differential Equations, Applied Business Statistics, Econometrics, Linear Algebra, Enterprise Management, Data Science, Data Visualization and AI applications, Calculus 2 & 3, Finance 300, Accounting, Advanced Microeconomics and Macroeconomics

Financial Analytics Technical Certifications: FreeCodeCamp Data Analysis with Python (300+ hours)

Currently Pursuing: Full-Stack Developer Certification (2100+ hours)

**LEADERSHIP EXPERIENCE**

**Christopher Newport University Student Government,** Newport News, VA — Executive Vice President April 2023–May 2024

* Elected to represent the student body of 4,000+ students, voicing student concerns and advocating for their interests in weekly meetings.
* Initiate and implement a mentor program, pairing new delegates with seasoned delegates, enhancing their involvement and engagement.
* Led disciplinary actions, ensuring fairness and adherence to 200+ university and the Student Government Association policies.
* Oversee leaders of the 8 committees, each with 10+ delegate members, ensuring efficient operations and goal achievement for 10+ events.
* Host delegation meetings biweekly, facilitating productive discussions on key initiatives and progress updates while taking detailed meeting minutes, capturing essential action items, decisions, and follow-up tasks.

**Christopher Newport University Students for Women’s Rights,** Newport News, VA– *President* August 2023 – Present

* Established the Student’s Women’s Rights Club, a women' s rights and pro-choice advocacy group, fostering informed women' s rights discourse.
* Facilitating weekly meetings that provide a space for nuanced discussions on women’s rights, pro-choice perspectives, and reproductive health.
* Led community outreach initiatives that engaged 500+ individuals, fostering respectful dialogues and improved education on these critical issues.
* Connected with 500+ followers on Social Media, sharing educational content and encouraging new membership (30+ ) to a young organization.
* Raised funds exceeding $500 through the local community to support women’s health clinics and pro-choice organizations.
* Crafted a strategic plan for the club’s growth, outlining goals for future advocacy and education efforts within the campus community.

**Christopher Newport University Alpha Chi,** Newport News, VA— *President* December 2024 – Present

* Led Alpha Chi honor society as President, delivering motivational speeches at recruitment events and membership initiation ceremonies while actively promoting academic excellence and encouraging eligible students to join the organization fostering a 40% increase in membership.
* Organized and hosted 6+ academic and social events including induction ceremonies, study groups, and networking sessions, increasing member engagement by 70% and strengthening the honor society's campus presence while also improving member retention by 25%.
* Recruited and evaluated 25+ prospective members through comprehensive application review processes assessing academic credentials, leadership experience, and relevant achievements to maintain the organization's high standards for membership community engagement.

**AWARDS AND SKILLS**

* *Awards & Honors:* Honors Program Scholarship | Independent Research Grant recipient | Dean's List 2022 - Present |
* *Skills*: Python | HTML| CSS| R Studio | EViews | Stata | Microsoft Office 365 | Data Cleaning and Collection | Data Input and Analysis |