Eleanor Grady

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EDUCATION

Clark University - Worcester, Massachusetts   **August 2020 – May 2024**
Bachelor of Arts in Computer Science and Political Science, summa cum laude
GPA 3.83, 2023 Grace Hopper Conference Scholarship Recipient, Pi Sigma Alpha National Political Science Honor Society Member, Dean's List First Honors & Second Honors
Relevant Courses: Algorithms, Operating Systems, Assembly Language & Computer Organization, Analysis of Programming Languages, Cyber & AI: National Security Impact

University of Stirling - Stirling, Scotland   **September 2022 – May 2023**
Computer Science and Political Science Study Abroad Experience
Relevant Courses: Computer Security & Networks, NoSQL Databases & Data Warehousing, Managing Information

SKILLS

Languages: Python, Java, C, Scheme, R, SQL, JSON, XML, NoSQL, Bash/Shell, HTML, CSS
Operating Systems: Microsoft Windows, Mac OS, Linux, Linux Cloud Environments
Software: Microsoft Office, Tableau, JIRA, Confluence, AWS Redshift, Git, MongoDB, Wireshark, Command Line Interfaces

PROFESSIONAL EXPERIENCE

Data Technology Intern   **June 2023 – August 2023**
Global Atlantic Financial Group - Boston, Massachusetts
- Built out data warehousing technologies' functionality through agile scrum development, with Data Management team
- Developed Python program mapping company's financial data lineage in databases, mapping 100s of data columns from raw insertion to business standard formatting, for long term utilization, along ETL processes
- Documented program development in formal standards for future referencing on team's Confluence pages
- Collaborated with intern team to recommend business programs enhancing values of diversity, equity, inclusion

Customer Satisfaction Process & Technology Intern   **May 2022 – August 2022**
L.L. Bean - Freeport, Maine
- Analyzed customer sentiment for major e-commerce brand, collaboration with rest of Customer Experience team
- Gathered and analyzed data relating to order returns and shipping information, record counts of 100K-1M
- Recommended changes to current processes based on findings of data analysis
- Developed SQL scripts, Java data analytics processes, and documentation for long term utilization

Computer Science Teaching Assistant   **August 2021 – May 2022,**
Clark University - Worcester, Massachusetts   **January 2024 – May 2024**
- Facilitated student learning with coaching through material as a TA for Intro to CS (Python) and Data Structures (Java)
- Collaborated with faculty and 1-2 other TAs in classes and labs of 20-30 students, office hours of 10-20 students
- Monitored and replied to questions in online course forums

Barista   **June 2019 – May 2022**
Starbucks - South Portland, Maine / Westborough, Massachusetts
- Served customers at bar, point of sale, and drive-through
- Collaborated with 2-10 team members, worked independently at busiest location in Maine, average 50-70 customers per half hour
- Aided customers when ordering, answering questions requiring detailed knowledge of recipes and ingredients
- Coached team members on order preparation and customer interactions

LEADERSHIP EXPERIENCE

Vice President of Clark Competitive Computing Club   **August 2023 – May 2024**
Clark University - Worcester, Massachusetts
- Collaborated with 3 fellow club leaders to hold events, manage roster of 70+ students, recruiting and promoting as necessary, creating agenda/curriculum for club events, workshops, discussions, and outreach, building community
- Co-facilitated leadership meetings on event planning and club management, and club-wide events with president

- Championed, planned, and hosted several outreach events to encourage kids in Worcester to pursue CS, teaching coding through Lego robot education kits, workshops of 10-20 kids
- Planned, promoted, managed, and judged two 48-hour hackathon of 30-40 participants in Fall '23 & Spring '24
- Managed budget and spending, wrote, presented, and managed applying for Student Council funding grants
- Doubled annual budget from $3,500 to $7,000 through budget presentations, resulting from demonstrated work and benefit to campus and student body

Member of Political Science Department's DEI Working Group   **March 2023 – May 2024**
Clark University - Worcester, Massachusetts
- Collaborated with 10 others to ensure department fulfills outlined goals/values for diversity, equity, and inclusion
- Provided oversight to department and faculty in creating community that reflects our members within the department
- Worked closely with faculty to plan and host events for student engagement with the department, such as meet and greets and guest lectures

VOLUNTEER EXPERIENCE

Editor   **December 2020 - Present**
Women in Politics Magazine
- Edit 1-2 articles per publication cycle for spelling, punctuation, grammar, usage, clarity, conciseness, accuracy, and consistency for magazine focused on current political issues and role of women in politics
- Maintain present knowledge of current political issues, global and national, to ensure articles' accuracy and relevance
- Communicate article edits and changes constructively to improve readability and effectiveness before publication
- Collaborate with managers and team to streamline and refocus organization-wide processes

PROJECTS

The Reality of AI, US National Security, and Global Power Dynamics   **January 2024 – May 2024**
- Conducted an in-depth analysis of AI's implications on US national security, focusing on threats and mitigation strategies
- Collated research from variety of academic journals, articles, and government documents, comparing theories and expert opinions
- Developed a case study on autonomous weapons, exploring their potential impact and policy responses
- Analyzed the current AI security landscape and proposed comprehensive policies to address emerging challenges

SQL Parser and Data Lineage Mapper   **June 2023 – August 2023**
- Developed Python programs to parse SQL queries to single string and databases to dictionaries for financial data
- Designed logic and code mapping data lineage across AWS Redshift databases through data processing (Extract, Transform, and Load), producing end-to-end mapping, for tables with thousands of rows, hundreds of columns
- Loaded mappings to Redshift table, created a Tableau report for business users to access
- Utilized several Python libraries, specifically PyPi sql-metadata and Pandas libraries

L.L.Bean Customer Experience in Shipping Analysis   **July 2022 – August 2022**
- Developed SQL script to gather data related to order shipping information for FY 2021 and 2022, approximately 1.5M orders, comparing to internal delivery quote scores
- Analyzed numerical and customer sentiment data to determine customer's experience from time of order to arrival
- Recommended changes based on financial costs if package delivery quotes were changed and more arrived late

International Organizations' Influence on Data Privacy Regulations   **March 2022 – April 2022**
- Researched international organizations, including European Union, and Organization for Economic Cooperation and Development, to understand policies on data privacy and positions on protecting sensitive data
- Collated research from variety of academic journals, articles, and organizations' policies, comparing global policies
- Analyzed policies and drew conclusions on the importance of the role international organizations play in data privacy as the internet and technology become increasingly globalized

Mask Wearers and Who They Voted For   **December 2020**
- Designed Python program to create a graphical user interface window of each state in the United States
- Compared data from the 2020 presidential election and results of a New York Times study on mask wearing per state
- Created color-coded map of the nation based on the results of the election
- Utilized several Python libraries, specifically the Cartopy library