

Joseph Holden

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EDUCATION

Washington and Lee University (W&L)

Lexington, VA

Bachelor of Science, Accounting and Computer Science

Class of 2026

- GPA: 3.8; Major GPA: 4.0; President's List (2023 - 2024)
- Relevant Courses: Financial Statement Analysis, Money and Banking, Managerial Finance, Algorithms, Neural Networks

Thesis Research: FPGA Assisted Monte Carlo Simulation and Risk Analysis for Fixed Income Instruments

Jan 2025 – Present

- Awarded a \$5000 Johnson Opportunity Grant for accelerated compute research using field programable gate arrays (FPGAs)
- Designed a hybrid architecture combining a Python-controlled host machine and Xilinx PYNQ-Z2 board, offloading compute-intensive Monte Carlo iterations to the FPGA for real-time financial risk analysis
- Developed a robust and scalable bond pricing simulation model in Python to auto-regressively project potential downside risk

PROFESSIONAL EXPERIENCE

Summit Ridge Energy

Washington, DC

Summer Analyst

May 2024 – Aug 2024

- Modeled and projected the joint venture acquisition of a 193 MW portfolio of energy projects valued at \$541.1 million with a \$130M+ energy storage add-on
- Created independent energy commodity price models, challenging third-party assumptions and directly increasing revenue on long-term power agreements by 20%
- Modeled the effect of \$216.5 million in ITC tax equity on project debt structure, identifying a target 30% ITC base case
- Identified and proposed 60+ potential energy sites to origination leadership team, leading to 18 site approvals

Energy Innovation Capital

Washington, DC

Materials Summer Analyst

Jul 2024 – Aug 2024

- Conducted a 26-page analysis of 20+ federal rare earth metal alternative research grants to inform Series B funding decisions
- Delivered a presentation showcasing 9 emerging technologies in the renewable energy sector to the firm's materials analyst
- Developed Python scripts to automate research by web scraping for industry-specific terms and phrases
- Engineered 3 pro forma model templates to assess the effect of advancements in solar energy technology on investments

Stateside Associates

Washington, DC

Governmental Affairs Summer Analyst

May 2022 – Aug 2022

- Managed and compiled a contract lobbyist database that tracked the expertise and scope of practice for over 4,000 firms and individuals, culminating in a market-ready product for the firm
- Fulfilled time-sensitive client requests, including confirming filing requirements and deadlines for jurisdictions nationwide, resulting in 6 successful legislative campaigns

ORGANIZATIONAL LEADERSHIP EXPERIENCE

WLUR – 91.5

Lexington, VA

Lead Radio Host

Aug 2024 - Present

- Co-host live weekly radio talk show focusing on sports news and music releases
- Write and edit scripts for segments, researched current events, and trending topics to ensure engaging content
- Operate radio studio equipment, including mixing boards, microphones, and software, ensuring seamless live broadcasts

Washington and Lee Club Rugby “Screaming Minks”

Lexington, VA

Captain

Aug 2023 - Present

- Lead rigorous 18-hour/week workouts and practice sessions, fostering discipline and team cohesion.
- Play a pivotal role in set pieces, such as scrums and lineouts, ensuring clean and efficient ball distribution to the backs

Phi Zeta Delta (Formerly Phi Delta Theta)

Lexington, VA

Social & Recruitment Chair

Jan 2023 – Oct 2023

- Coordinated 35 members and a budget of \$30,000 devoted to hosting campus events with other student organizations
- Planned events and oversaw setup and operations to successfully host events with up to 250 participants three times a week

SKILLS AND INTERESTS

Skills: Microsoft Suite, Data Analysis, Research, Python, C; Java, HTML, Assembly, Machine Learning, GIS, Excel, Writing

Interests: Fishing, Camping, Lifting, Fencing, Football (Jaguars, Clemson), Basketball (Wizards), Photography, R. Eggers Movies