

William Bryce Luik

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EDUCATION

Washington & Lee University | Lexington, VA

Expected Spring 2025

Major: Physics | Minor: Data Science, Computer Science

- GPA: 3.80/4.00
- *Relevant Courses:* Behavioral Econ, Microeconomic Theory, Econometrics, Software Development, Statistical Mechanics
- *Clubs:* Varsity Soccer, Engineering Community Development, Fancy Dress Committee, Kappa Sigma Fraternity

Bernards High School | Bernardsville, NJ

Spring 2021

- GPA: 4.11/5.00
- *Honors:* Scholar-Athlete (4 years), Skyland Conference Scholar-Athlete, National Honors Society, AP Scholar with Distinction, Sophomore Class President, STEM Club Board Member

EXPERIENCE

Leaf & Grain | Houston, TX

Summer 2024

Strategic Analyst

- Developed a 150-employee scheduling algorithm integrating Python, Excel, and Google Cloud to optimize managerial preferences and operational constraints, minimizing overscheduling and thus reducing labor costs
- Analyzed customer data from 2.3k online orders to identify potential business towers for a targeted marketing campaign aimed at boosting catering department revenues
- Spearheaded the operational adjustment of in-store sandwich tray presentation by communicating with 6 store managers and developing prep documentation to improve customer satisfaction and ensure consistency across locations

Montana State University Physics Department | Bozeman, MT

Summer 2023

Researcher

- Conducted nano-optics research for 40 hours a week under the Borys lab with a focus on 2-dimensional semiconductors, all supported by the National Science Foundation
- Presented novel findings and produced an abstract for the MSU physics department discussing the coupling effects of gold and transition metal dichalcogenides, serving as a basis for future grant proposals
- Communicated with Ph.D. candidates to identify the research's potential application in quantum information technology

Black Bird Cafe | Martha's Vineyard, MA

Summer 2022

Manager/ Food Cook

- Managed a convenience store's inaugural season focusing on building a stable consumer base for the upcoming seasons
- Supervised new hires by creating operation checklists and inventory spreadsheets to refine organization in the new store
- Individually operated a food truck by preparing and serving over 75 patrons with breakfast sandwiches and coffee

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Washington & Lee Career Development Office | Lexington, VA

Fall 2023 - Present

Career Fellow

- Mentored 10+ students monthly, providing tailored resume feedback and career guidance, resulting in improved job search strategies and increased confidence in career planning
- Managed front desk operations, efficiently handling student check-ins and coordinating interviewer-interviewee logistics, contributing to the smooth functioning of the office

Washington & Lee Varsity Soccer | Lexington, VA

Fall 2021 - Present

Team Member

- Maintained a delicate balance of school and athletics by participating in 30 hours of soccer a week paired with a rigorous course load and 2 jobs
- Started every game in junior season culminating with a Final Four appearance and top 3 national ranking

Skills: Excel, Google Cloud API, Python, C++, Java, Matlab and optical lab equipment

Interests: Backpacking, snowboarding, cooking and burritos