

## **William Boone Samuels**

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### **Objective**

Hard-working and motivated student at the University of Louisville seeking part-time job opportunities, internships, or research positions to gain hands-on experience and contribute effectively. I am passionate about applying advanced mathematical, physical, and computational concepts to solve complex problems in physics, finance, and quantum computing.

### **Education**

#### **University of Louisville**

Majors: (BS) Professional Physics and (BA) Business Administration

Minor: Mathematics

Expected Graduation: Fall 2028

### **Work Experience**

#### **Sales Agent**

*American Income Life Insurance (Remote)*

Feb 2024 – May 2024

- Conducted remote sales operations.
- Assisted clients in selecting appropriate insurance policies.
- Achieved sales targets and maintained customer relationships.

#### **Intern**

*Makers Mark (Laredo, Kentucky)*

Jun 2022 – Aug 2022

- Supported production and operational activities.
- Conducted data analysis to improve efficiency.
- Collaborated with team members on various projects.

#### **Intern**

*Doe Anderson (Louisville, Kentucky)*

Nov 2021 – Feb 2024

- Assisted in client relations and account management.
- Conducted market research and data analysis.
- Contributed to strategic planning and project management.

## **Intern**

*Facility Commissioning Group (Lexington, Kentucky)*

Jun 2021 – Aug 2021

- Supported commissioning processes and documentation.
- Analyzed system performance data.
- Collaborated with engineers and project managers.
- Created LEED Documents.

## **Skills**

### **Programming Languages and Tools:**

- Python
- MATLAB
- Quantum Computing: Qiskit
- C++
- R
- SQL
- JavaScript
- LaTeX
- Business Intelligence (BI) tools

### **Mathematical and Analytical Skills:**

- Advanced Calculus
- Linear Algebra
- Differential Equations
- Statistical Analysis
- Machine Learning Algorithms
- Data Mining
- Financial Modeling
- Quantitative Analysis

### **Quantum Mechanics and Computing:**

- Quantum Mechanics
- Quantum Information Theory
- Quantum Algorithms
- Quantum Machine Learning

### **Business and Strategy:**

- Client Relations
- Strategic Planning
- Market Research
- Project Management

### **Projects**

#### **Independent Research: Wireless Power Transmission**

Dec 2023 – Present

- Conducting research on innovative wireless power transmission methods.
- Designing experiments and analyzing data.

#### **Quantum Random Number Generator Development**

May 2024 – Present

- Developing a novel quantum random number generator with potential applications in cryptography and computational simulations.
- Programming and testing quantum algorithms using Qiskit.

#### **Financial Data Analysis Project**

Jan 2024 – Mar 2024

- Analyzed financial data to identify trends and patterns.
- Used Python and R to build predictive models for investment strategies.