What can Alex do to increase his score?  Here's what ChatGPT recommended:

**Alex Martinez**
Seattle, WA
alex.martinez@email.com | (555) 555-1234

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# Education

**B.A. in Mathematics**
Whitman College, Walla Walla, WA
May 2026

- GPA: 3.78
- Coursework: Real Analysis, Linear Algebra, Probability Theory, Mathematical Modeling, Numerical Analysis

***Annotation:***
Strong coursework, but no explicit connection to *application* or *decision-making*.
Reads as "future grad student."

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# Technical Skills

- Python
- MATLAB
- Excel

***Annotation:***
Tools are listed, but **no evidence of use**. Employers can't tell what Alex can actually do.

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# Academic Projects

**Stochastic Modeling Project**

- Simulated random walks and Markov chains

- Analyzed long-term behavior

**Optimization Project**

- Modeled constrained optimization problems arising in resource allocation

  ***Annotation:***
  Projects are mathematically solid but framed **abstractly**. No data, outcomes, or relevance signal.

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# Experience

**Math Tutor**
Whitman College | 2024–2026

- Tutored students in calculus, linear algebra, and probability

  ***Annotation:***
  Missed opportunity: this could demonstrate communication, translation, and applied reasoning.

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## Summary:

- Excellent math ✔
- Weak applied framing ✘
- Unclear technical depth ✘
- Looks academic rather than analyst-ready

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**Revised Resume:**

**Alex Martinez**
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# Education

**B.A. in Mathematics**
Whitman College, Walla Walla, WA
May 2026

- GPA: 3.78
- Coursework: Real Analysis, Linear Algebra, Probability, Numerical Analysis
- Applied mathematical reasoning to model uncertainty and constrained decisions

*Why make this change?*
One sentence reframes math as **problem-solving**, not abstraction.

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# Technical & Analytical Skills

- **Python (NumPy, Pandas, Matplotlib):** data analysis, simulation, visualization
- **Excel:** formulas, data cleaning, summary statistics, charts
- **MATLAB:** numerical computation and modeling
- Statistics: regression, probability models, hypothesis testing

*Why make these changes?*
Moves from *tool listing → demonstrated capability*. This alone boosts the technical score.

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# Applied Projects

**Monte Carlo Simulation (Python)**

- Simulated random processes to study outcome variability
- Summarized results using visualizations and short written reports

**Optimization & Resource Allocation Model**

- Formulated and solved constrained optimization problems
- Analyzed tradeoffs and sensitivity to parameter changes

**Exploratory Financial Data Analysis (Self-Directed)**

- Analyzed historical market index data to examine volatility patterns
- Produced summary statistics and plots for non-technical audiences

*Why make these changes?*
Same math — now framed in **data, assumptions, outputs, and interpretation**.
Signals direct relevance to quantitative analyst work.

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# Experience

**Mathematics Tutor**
Whitman College | 2024–2026

- Explained complex quantitative ideas to non-technical audiences
- Identified misconceptions and adapted explanations in real time
- Worked under time constraints with diverse problem-solving approaches

*Why make these changes?*

Shows **communication, adaptability, and stakeholder awareness** — key analyst traits.

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## Why is this better?

- Math strength retained ✔
- Clear applied evidence ✔
- Strong technical signaling ✔
- Looks ready for an **entry-level analyst role**, not just grad school ✔