

# Resume

# Bairu Song

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## EDUCATION

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Lexington High School	Lexington, MA
High School Diploma	Expected Graduation: Jun 2029
Relevant Coursework: Honors Precalculus, AP Microeconomics, AP Computer Science Principle	

## PROJECTS

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Urban Scaling Simulator	Dec 2025 - Mar 2026
<ul style="list-style-type: none"><li>Developed a Python-based quantitative simulation engine to model urban socio-economic evolution.</li><li>Analyzed 4,000+ years of cumulative data across 5 historical and 3 synthetic environments.</li></ul>	
NVIDIA Stock Pitch	Feb 2026 - Apr 2026
<ul style="list-style-type: none"><li>Conducted financial valuation using 5-year statement data and sector trends.</li></ul>	

## LEADERSHIP & ACTIVITIES

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Economics Club	Lexington, MA
Member	Oct 2025 - Now
Member	
<ul style="list-style-type: none"><li>Engaged in weekly discussions regarding microeconomics theories and global market trends.</li></ul>	
Investment Club	Lexington, MA
Member	Oct 2025 - Now
<ul style="list-style-type: none"><li>Achieved second place in Oct 2025 investment simulation.</li></ul>	

## SKILLS & INTERESTS

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<u>Technical:</u>	Python (NumPy, Pandas, Matplotlib, Seaborn), C, SQL (SQLite, MySQL, PostgreSQL), Flask, Jinja, Markdown, HTML / CSS, SCSS
<u>Marketing:</u>	Inbound Marketing
<u>Language:</u>	Chinese (Native), German (A2)
<u>Tools:</u>	Jupyter, Colab, Excel, Git, VS Code, Github Pages
<u>Interests:</u>	Competitive soccer and strategic teamwork, Acoustic optimization for deep focus