

# Jonas Zeutzius

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## EDUCATION

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### The University of Chicago

*B.S in Computer Science, B.A in Mathematics*

Current GPA: 3.87/4.00

Chicago, IL  
Expected, June 2025

#### Relevant Courses:

Honors Algorithms, Foundations of Machine Learning, Scientific Visualization, Statistics, Accelerated Multivariable Calculus (Real Analysis) I - III, Linear Algebra, Physics I – II, Python for Machine Learning and Data Science (Udemy)

#### Academic Honors:

Dean's List (2024 and 2022), UChicago Private Markets Program, National Merit Scholar (2021), National AP Scholar with Distinction (2021 and 2020), 800 SAT Mathematics, 780 SAT Reading and Writing

## PROFESSIONAL EXPERIENCE

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### Bridgewater Associates – Hedge Fund

*Investment Engineer Intern*

Westport, CT  
June 2024 – August 2024

- 1 of 11 investment engineer interns selected at world's biggest hedge fund (over \$100 billion of assets)
- Created software modules to automate investment logic and support fund trading activities
  - Learned and utilized a proprietary internal software language for module development
  - Collaborated with stakeholders to define customer needs, technical specifications and user interface requirements
  - Developed and tested modules through iterative processes to ensure accuracy, reliability, and user satisfaction
  - Deployed module to support investment activities as needed across fund with numerical outputs and visualizations
- Completed advanced coursework in macroeconomics and financial markets

### University of Chicago – Medical Technology Laboratory

*Computer Science Research Assistant*

Chicago, IL  
March 2024 – May 2024

- Contributed to research focused on predicting detrimental anomalies within the human aorta
- Built a software module for mapping 3D aorta imaging data to 2D rectangles for visualization and debugging purposes

### GridLink – EV Optimization Startup

*Software Engineering Intern (Part Time)*

Remote  
January 2024 – March 2024

- Independently designed, developed, and implemented an environmental impact calculator which measures the environmental footprint and carbon emissions of electric vehicle fleets

### BlockSpan – Blockchain Startup

*Software Engineering Intern*

Remote  
June 2023 – September 2023

- Led end-to-end development for 12 tutorials aimed at educating BlockSpan clients on how to leverage APIs
- Deployed 2 brand new APIs to identify the most active wallets on the blockchain and to discern the highest-value transactions across specified timeframes; Added new functionality and features to existing APIs
- Designed and implemented comprehensive automated testing suite, encompassing 600 automated tests

### LivCor, A Blackstone Company – Multifamily Real Estate Investments

*Investments Intern*

Chicago, IL  
June 2022 – August 2022

- Assessed prospective deals through financial model analysis and researching competitive assets and market trends
- Underwrote and presented \$100M investment opportunity; Determined property valuation and acquisition target price

## CODING PROJECTS

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### Algorithmic Trading Project (Python, Scikit-learn, Pandas)

December 2023

- Developed an algorithmic cryptocurrency trading system implementing machine learning for price prediction
- Executed automated trades based on model predictions using continuous market data retrieval and file system storage

### Weather and Chatting Application (JavaScript, Express, Socket.io)

June 2023

- Designed a weather application that provides real-time weather data for user-specified locations; Developed a chat application that facilitates real-time communication among users showcasing experience in socket-based interactions

## ACTIVITIES, SKILLS & INTERESTS

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**Activities:** UChicago Private Equity Group (1<sup>st</sup> place in Adam's Street case competition, \$1,000 Prize), Chess Club

**Skills:** Proficient in Python, C, JavaScript, SQL, GitHub, Microsoft Office

**Interests:** Piano, Guitar, Chess (Top 0.1% chess.com), Running, Hiking Colorado 14ers, Jimi Hendrix, Metallica