

# Zachary Brandt

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## Education

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**University of California, Berkeley**

*B.A. in Economics, Computer Science*

Expected Graduation

*Spring 2027*

- GPA: 3.9/4.0
- Awards: Dean's Honors List - College of Letters & Science
- **Coursework:** Discrete Mathematics, Data Structures, Econometrics

## Experience

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**Stanford, Berkeley Dept. of Economics**

*Feb 2024 – Aug 2024*

*Research Assistant*

- Conducted econometric analysis and research on estimating cross-sector firm market power
- Led data wrangling, EDA, and visualization using Pandas and R on national employment datasets
- Contributed insights to burgeoning literature on industrial organization and economic policy discussions

**Blockchain at Berkeley**

*Sept 2023 – present*

*Project Manager*

- Led teams in developing a ticket marketplace for FIFA and a JavaScript VM for Hyperweb Web3
- Secured projects by writing grants and responding to RFPs, growing our presence in blockchain
- Oversaw project completion, timelines, deliverables, and client communication

**Worksheets AI**

*June 2024 – Aug 2024*

*Summer Intern*

- Built and deployed core frontend web app in SolidJS and implemented backend APIs with Node.js
- Designed and integrated AI-powered worksheet generation tools and markets for educators
- Worked closely with the founding team on scaling the platform in the EdTech space

## Projects

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**ΑΓΩ Beta Treasurer**

*Fall 2024 – present*

- Upgraded fraternity house network and internet, created our new [website](#) 📄
- Managed financial operations, including budgeting, rent and vendor contracts, and banking

**NGordnet Tool**

*Fall 2024*

- Developed a linguistic analysis tool leveraging WordNet and historical word frequency data
- Built visualizations to explore synset relationships and language evolution

**World-Exploration Game Engine**

*Fall 2024*

- Created a modular and extensible 2D tile-based world exploration engine in Java

**Berkeley SkyDeck**

*Summer 2024*

- Co-developed a mobile recommerce platform with instant sales for college students
- Guided team application through the SkyDeck Accelerator Program to pitch to investors

## Skills

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**Programming:** Python, Java, JavaScript, R, Solidity, SQL

**Mathematics:** Multivariable calculus, linear algebra, differential equations, statistics, probability

**Languages:** English, German (fluent, C2 certified)