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**Website:** [blog.avinashiyer.xyz](http://blog.avinashiyer.xyz)

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EDUCATION	<i>Bachelor of Arts in Mathematics</i>	May 2025 (Expected)
	GPA: 3.93	
	Occidental College, Los Angeles, CA	
	Dean's List: Fall 2021–Fall 2023	
	President's Scholarship: Fall 2021–Present	

*Bachelor of Arts in Mathematics*

May 2025 (Expected)

Occidental College, Los Angeles, CA

Dean's List: Fall 2021–Fall 2023

President's Scholarship: Fall 2021–Present

**Mathematics:** Linear Algebra, Abstract Algebra, Topology, Graph Theory, Real Analysis, Real Analysis II (Metric Spaces and Measure Theory), Galois Theory, Mathematical Statistics

**Economics:** Intermediate Microeconomics, Intermediate Macroeconomics, Game Theory, Public Economics, Economics of Education

Section Editor  
*The Occidental* September 2023–Present

- Worked with senior team, co-editors, and writers to ensure high-quality opinion articles.
- Maintained demanding weekly schedule.
- Ensured all articles were harmonized with AP Style.

Staff Writer  
*The Occidental* January 2022–Present

- Authored over 20 articles, including reported stories and opinions.
- Interviewed at least 3 sources per reported story, met demanding weekly schedule.
- Worked with editors to ensure high-quality story.

Data Analytics Intern  
Onto Innovation, Milpitas, CA

- Worked on process development within Metrology Business Unit.
- Improved Power Automate workflows for process improvements across 3 product families.

- Integrated data sources from manufacturing plans and floor information to create Power BI reports that provided at-a-glance understanding of state of manufacturing.

Grader September 2022–May 2023  
*Mathematics and Economics Departments, Occidental College*

- Provided extensive feedback for student assignments in Intermediate Microeconomics and Calculus I.
- Maintained standards and deadlines alongside demanding class schedule and work for the newspaper.

SPECIALIZED SKILLS *Languages:* Proficient in  $\text{\LaTeX}$ , working knowledge in SQL, have used Java, C++, Python, and R  
*Enterprise Software:* Microsoft Office and Microsoft Power Platform  
*Visual Thinking*  
*Mathematics and Computation*

PROJECTS AND PAPERS *Power BI Full Floor Dashboard:* project during internship at Onto Innovation, using Power Queries to harmonize different tool families' information, and used Synoptic Panel to visualize data.

*Personal Website:* used GitHub Pages and Jekyll to create a website for a portfolio in college.

*Advent of Code:* honed problem-solving skills in Python.

*Public Economics Policy Papers:* analyzed the expected effects of zoning reform in the first paper and tax reform that treated owner-occupied housing as equivalent to other forms of capital in the second paper. Drew on academic research and implementations to develop analysis.