

# Avinash Iyer

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ABOUT ME	Collaborative, academically adept undergraduate seeking to apply interdisciplinary knowledge to solve technical problems.	
EDUCATION	<i>Bachelor of Arts</i> in Mathematics GPA: 3.93 Occidental College, Los Angeles, CA	May 2025 (Expected)
RELEVANT CLASSES	<b>Mathematics:</b> Linear Algebra, Abstract Algebra, Topology, Graph Theory, Real Analysis, Real Analysis II (Metric Spaces and Measure Theory), Algebra II (Ring Theory, Field Theory, and Galois Theory) <b>Economics:</b> Intermediate Microeconomics, Intermediate Macroeconomics, Game Theory, Public Economics, Economics of Education	
EXPERIENCE	Section Editor <i>The Occidental</i>	September 2023–Present
	<ul style="list-style-type: none"><li>• Worked with senior team, co-editors, and writers to ensure high-quality opinion articles.</li><li>• Managed demanding weekly schedule while full-time student in upper division math and economics courses.</li><li>• Ensured all articles were harmonized with AP Style.</li></ul>	
	Staff Writer <i>The Occidental</i>	January 2022–Present
	<ul style="list-style-type: none"><li>• Authored over 20 articles, including reported stories and opinions.</li><li>• Interviewed at least 3 sources per reported story, met demanding weekly schedule.</li><li>• Worked with editors to ensure high-quality story.</li></ul>	
	Data Analytics Intern <i>Onto Innovation, Milpitas, CA</i>	May 2023–August 2023
	<ul style="list-style-type: none"><li>• Worked on process development within Metrology Business Unit.</li><li>• Improved Power Automate workflows for process improvements across 3 product families.</li><li>• Integrated data sources from manufacturing plans and floor information to create Power BI reports that provided at-a-glance understanding of state of manufacturing.</li></ul>	

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.

AWARDS AND  
HONORS

Dean's List	Fall 2021–Fall 2023
President's Scholarship	Fall 2021–Present
William Lowell Putnam Exam	1/120, 8/120