## Avinash Iyer

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ABOUT ME

Collaborative, academically adept undergraduate interested in applying interdisciplinary knowledge to solve technical problems.

**EDUCATION** 

Bachelor of Arts in Mathematics & Economics

May 2025 (Expected)

GPA: 3.93

Occidental College, Los Angeles, CA Dean's List: Fall 2021–Fall 2023

President's Scholarship: Fall 2021-Present

RELEVANT CLASSES 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

EXPERIENCE

Section Editor

September 2023-Present

The Occidental

- 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

January 2022–Present

The Occidental

- 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

May 2023-August 2023

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 LATEX, working knowledge in Python and SQL, have

used Java, C++, 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 and 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.