Sam Doepker

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[GitHub](#) ● [Personal Site](#) ● [LinkedIn](#)

EDUCATION

University of Chicago, Chicago, IL   *Expected May 2026*
- GPA 3.86/4.00
- **Major**: Computer Science
- **Awards**: Lillian Gertrude Selz Prize (awarded to top first-year undergraduates)

SKILLS

Experienced: Python, C, Git, Unix/Linux, Windows, data structures and algorithms
Intermediate: Numpy, Pandas, Flask
Familiar: Django, PostgreSQL, Docker, HTML/CSS, Matplotlib
Conversational fluency in Spanish

RELEVANT EXPERIENCE

Chief Technical Officer and Cofounder, InsightEd   *April 2024 - Current*
- Building prototype and MVP for responsive mental health survey for middle and high schoolers
- Implementing data collection, analytics, and targeted resources to provide solutions for schools

WatchList   *May - June 2024*
- Built a web app with Flask and PostgreSQL letting users make a list of shows they want to watch
- Implemented CI pipeline with GitHub Actions for automated unit testing

Wildhacks, Northwestern University   *April 2023*
- Designed frontend for AI-based sticker-making web extension with Tailwind CSS and Svelte
- Won best Github page award

TechTeam, University of Chicago   *Jan 2023 - Dec 2023*
- Created data visualizations using Pandas and Matplotlib for Restore Justice Illinois to advocate for reduced youth incarceration

Checkers Game   *March 2023*
- Developed a playable Checkers game on a team of four students in Python with UI and bot players

WORK EXPERIENCE

Grader for Introduction to Computer Science II, University of Chicago   *March 2023 - Current*
- Graded 102 Python student assignments in a code review format
- Provided constructive feedback on data structure and algorithmic design, focused on efficiency and cleanliness of work

Intern, Deaf Kids Code   *June 2023 - August 2023*
- Compiled web resources into free beginner coding lesson plans for educators with Deaf students
- Implemented web portal for educators to access curriculum and to facilitate internal data collection

RELEVANT COURSEWORK

Foundations of Computer Networks, University of Chicago   *March 2024 - May 2024*
- Implemented router and network protocols in C as part of a two-person team

Theory of Algorithms, University of Chicago   *January 2024 - March 2024*
- Learned analysis and design of efficient algorithms using various data structures, including dynamic programming, "divide and conquer", greedy algorithms, and graph searching

Introduction to Data Engineering, University of Chicago   *March 2023 - May 2023*
- Used Django framework and SQL to build the backend for a website throughout the class

ACTIVITIES

House Council Secretary and Treasurer, UChicago Fama House   *September 2023 - Present*
- Implemented digital record-taking at every meeting to improve meeting efficiency
- Collaborated with other council members to plan and host fundraisers

Lead Sound Designer, University Theater   *Sept 2022 - Present*
- Designed audio systems and sound effects for plays and musicals, live mixed performances