

# Conan Lu

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## EDUCATION

### Harvard University

Cambridge, MA

*A.B Double Concentration in Computer Science and Philosophy. GPA: 3.98/4.0*

*Aug. 2022 – May 2026*

- **Relevant coursework:** Data Structures and Algorithms, Introduction to Probability, Privacy and Technology, Abstraction and Design in Computation, Linear Algebra and Vector Calculus, Introduction to Algorithms and their Limitations, Systems Programming and Machine Organization
- **Activities:** Berkman Klein Center for Internet and Society, Applied Social Media Lab, The Harvard Advocate, Harvard Computer Society, Tech for Social Good (T4SG), Radcliffe Research Partnership, Embedded EthiCS
- **Honors:** John Harvard Scholar (2024)

## EXPERIENCE

### Applied Social Media Lab

Cambridge, MA

*Software Engineer*

*January - May 2025*

- Building Transparency Hub

### Deloitte

Boston, MA

*Software Development Intern (Cyber & Strategic Risk)*

*June - August 2024*

- Developed guardrails in identity management system for regional commercial bank
- Created automated reporting rule with Java and Beanshell, notifying administrators of anomalous access changes
- Maintained SailPoint integration progress tracker for 70+ applications

### Infosys

Bengaluru, Karnataka, India

*Software Engineering Intern*

*June - August 2023*

- Developed features for EdgeVerve's document analysis tool, XtractEdge
- Applied explainability metrics for language transformer models (SHAP, Lime) to XtractEdge's specific contexts
- Developed experimental setup for evaluating model explainability using Python, Jupyter, PyTorch

### John A. Paulson School of Engineering and Applied Sciences

Cambridge, MA

*Teaching Fellow / Course Development Assistant*

*January 2024 - Present*

- Support courses in the computer science department with small-group instruction, grading, and lesson planning
- CS 1200, Fall 2024 (Introduction to Algorithms and their Limitations)
- CS 20, Spring 2024 (Discrete Math for Computer Science)
- Creating ethics modules in core computer science curriculum (Embedded EthiCS), Fall 2024

## PROJECTS

### Tech Editor @ The Harvard Advocate | *React, Sanity*

August 2023 – Present

- Maintain theharvardadvocate.com (70k+ monthly impressions), a collegiate literary magazine
- Manage web development team of 10 to fix bugs and build additional features

### Why We Gather | *React, Vite, Mantine, Python*

January – May 2024

- Developed a web interface for visualizing Boston's open spaces
- Research Sprint 2024 @ the Berkman Klein Center, presented as exhibit at Boston's Museum of Science

### ChordGAN | *Python, Tensorflow, Keras*

August 2019 – December 2021

- Researched style transfer using generative adversarial networks with Professor Shlomo Dubnov at UC San Diego
- Paper presented as first author at the 2nd Conference on AI Music Creativity (AIMC 2021)

### Community Response Works (T4SG) | *Next.js, Typescript, Google Cloud*

September 2023 – December 2023

- Led team of 6 student software engineers to create dashboards for crisis response organizations

### City of Cambridge (T4SG) | *C#, .NET, React*

September 2022 – December 2022

- Improved search algorithm for CambridgeMA.gov by 31%, as measured by NDCG

## TECHNICAL SKILLS

**Languages:** C++, Python, Java, OCaml, SQL, JavaScript, HTML/CSS

**Frameworks:** Next.js, React, Node.js, Flask, Vite, Material-UI, Tailwind, .NET, Mantine

**Developer Tools:** Git, Docker, Supabase, Firebase, Google Cloud, VS Code, Visual Studio, PyCharm, Eclipse

**Libraries:** pandas, NumPy, Matplotlib, Tensorflow, Scikit-learn, Keras, PyTorch