

Conan Lu

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Education

HARVARD UNIVERSITY

AB, Double Concentration in Computer Science and Philosophy. GPA: 3.98

Cambridge, MA

Graduating May 2026

Relevant Coursework: Data Structures and Algorithms (CS 124), Introduction to Probability (STAT 110), Privacy and Technology, Abstraction and Design in Computation, Linear Algebra and Vector Calculus, Introduction to Algorithms and their Limitations, Systems Programming

Activities: Berkman Klein Center for Internet and Society (Research Sprint Participant, Spring 2024); The Harvard Advocate (Tech Editor); Harvard Computer Society; Tech for Social Good; The Harvard Crimson; Radcliffe Research Partnership; ReCompute

Teaching Positions:

- CS 1200: Introduction to Algorithms and their Limitations (Teaching Fellow, Fall 2024)
- CS 20: Discrete Math for Computer Science (Teaching Fellow, Spring 2024)

Work Experience

DELOITTE

Cyber Risk & Advisory Intern

Boston, MA

June – August 2024

- Incoming, Summer 2024
- Developing technical solutions for client corporations in the domain of cybersecurity and data privacy

INFOSYS

Software Engineering Intern, InStep

Bengaluru, India

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
- Stack: Python, Jupyter, PyTorch

SURVEILLANCE TECHNOLOGY OVERSIGHT PROJECT (S.T.O.P.)

Remote

Research Intern

June – August 2023

- Spearheaded long-form report on health data privacy and gender-affirming care access for digital civil rights litigation group
- Contributed research on geofencing and data sanctuaries

Projects

CHORDGAN

Research project in machine learning and musical creativity

October 2019 – December 2021

- Researched style transfer using generative adversarial networks with Professor Shlomo Dubnov at UC San Diego
- Compiled findings into paper, presented as first author at the 2nd Conference on AI Music Creativity (AIMC 2021). Received an honorable mention from the Association for the Advancement of Artificial Intelligence (AAAI) at ISEF 2021
- Project site: conanlu.github.io/chordgan

THE HARVARD ADVOCATE

Tech Editor

August 2023 - Present

- Lead web development team of 10 to build and maintain features for theharvardadvocate.com, the site of the oldest collegiate literary magazine in the United States
- Manage Experimental Labs, an initiative for projects in the intersection of art and technology
- Stack: React, Sanity CMS

HARVARD COMPUTER SOCIETY: TECH FOR SOCIAL GOOD

Project Manager, Community Response Works

September – December 2023

- Led team of 6 student software engineers to create dashboards for crisis response organizations
- Stack: Next.js, MongoDB, Google Cloud

Software Engineer, Climate Neutral

February – May 2023

- Developed machine learning model for a mapping tool that tracks the carbon footprint of manufacturers for environmental nonprofit
- Stack: Python, Scikit-learn, Pandas

Software Engineer, City of Cambridge

September – December 2022

- Improved search algorithm for the City of Cambridge's website (CambridgeMA.gov)
- Stack: React, C#, Google Custom Search API

Technical Skills

Programming: Python, C++, Java, C, C#, HTML/CSS/Javascript, SQL, OCaml

Systems: React.js, Next.js, PyTorch, Tensorflow, Google JAX, Keras, Node.js, Flask, .NET, Firebase, Supabase, Vite