

# Christo Polydorou

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## EDUCATION

### Carleton College

Northfield, MN

*Bachelor of Arts in Computer Science / Minor in Theater Arts*

*Class of 2024*

- Cumulative GPA: 3.62/4.0.
- Relevant Coursework: Data Structures, Algorithms, Software Design, Computer Systems, Programming Languages, Parallel and Distributed Computing, Cryptography.
- Activities: D3 Men's Basketball, Chi Alpha Sigma, Athlete Investment Club.

### University of Cambridge

Cambridge, England

*History of Computing in England*

*June 2022 - August 2022*

- Elected to study on a Computer Science abroad program taught by Carleton and Cambridge professors.
- Courses: Cryptography, History of Computing, History of WWII.

## EXPERIENCE

### Software Engineer Intern

Minneapolis, MN

*Pearson Inc.*

*May 2023 - Present*

- Developed API-integrated chatbot streamlining exam scheduling, promising substantial efficiency improvements.
- Engineered and executed a comprehensive sentiment analysis project utilizing OpenAI, LangChain, and Pandas on a dataset of over 20,000 user feedback comments, resulting in a highly accurate classification.
- Engineered a prototype AI chatbot tailored for database querying, as part of Microsoft's AI Hackathon.

### Software Engineer Intern

Minneapolis, MN

*Stealth Startup*

*January 2023 - March 2023*

- Developed and optimized a suite of CRUD screens using TypeScript React and MUI.
- Implemented robust user interface components, data fetching, form validations, and API integration.
- Collaborated with a cross-functional Agile team to deliver high quality software on time and within budget.

### Teacher Assistant

Northfield, MN

*Carleton College*

*September 2022 - November 2022*

- Designed interactive coding exercises and quizzes to supplement course materials, leading to a 30% increase in student participation in weekly review sessions by end of the term.
- Guided students in comprehending Python programming fundamentals as an assistant to the professor during in-class activities, fostering a collaborative learning environment.

### Peer Mentor (volunteer)

Minneapolis, MN

*Mount Olivet Lutheran Church*

*September 2017 - February 2020*

- Coordinated and facilitated weekly inclusive activities, such as sports and arts/crafts, for a program connecting students with special needs to their peers.

## SKILLS

- Python (LangChain, Flask, Pandas, NLTK), Java, C, HTML/CSS, Javascript, React, Scheme, SQL.
- Agile Development, Git, Azure, Docker, Figma, LLMs.

## PROJECTS

### Scheme Interpreter

- Engineered a C-based scheme interpreter, optimizing tokenization, parsing, and interpretation processes. ([github](#))

### Disaster Tracker

- Architected and implemented a data-rich website using HTML, CSS, JavaScript, Flask, and SQL, empowering users to analyze and visualize historical natural disaster trends in the U.S.

### Speech to Notion

- Created a customized program leveraging Notion's API and OpenAI's Whisper technology to automate the seamless conversion of audio files into fully formatted Notion pages and content.

### Thread Pool

- Implemented a thread pool in C to manage work items, facilitate task execution, and handle synchronization and communication among threads.