Andrew DeVoe

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EDUCATION

University of Chicago   Chicago, IL
Bachelor of Science in Computer Science, Minor in Astronomy and Astrophysics   Expected, June 2024
GPA: 3.83/4.00
Coursework: Operating Systems, Theory of Algorithms, Computer Architecture, Intro to Computer Security, Mobile Computing, and Programming Languages

Upper Arlington High School   Upper Arlington, OH
International Baccalaureate Diploma | Diploma with Honors   May 2020
GPA: 4.18/4.00 | AP Scholar with Distinction | National Honor Society | Bronze Presidential Service Award

SKILLS AND INTERESTS

Programming Languages: Python, C, Java, OCaml, Bash, JavaScript, HTML, and SQL
Languages: Conversant in German (7 years)
Interests: Ice hockey, Formula 1, soccer, scuba diving, rock climbing, hiking, Monty Python, and history

EXPERIENCE

GE Vernova   Greenville, SC
Digital Technology Intern   June 2023 – August 2023
- Managed computer vision project to detect flames in micromixers in coordination with stakeholders
- Developed scalable computer vision model from scratch, labeled data, and deployed live, real-time model

University of Chicago   Chicago, IL
Computer Science TA and Grader   March 2022 – June 2023
- TA for introductory Python software class with ~200 students for 15 hours a week
- Held office hours, led discussion, answered online posts, and graded student's work
- Graded Intro to Computer Science II students' C code for 10 hours a week

University of Chicago   Chicago, IL
Athletics Department Worker   October 2021 – Present
- Work 5-10 hours a week at varsity sporting events like soccer and track

Nationwide Insurance   Columbus, OH
Technology Intern   June 2022 – August 2022
- Worked on the data architecture design to ensure a uniform enterprise-wide data storage and usage system
- Developed a YAML pipeline to make a docker image for a Go program, started development of auto logging of the Databricks environment, created documentation for projects on Alation and GitHub

PROJECTS

PintOS (operating system)   March 2023 – June 2023
- Fully developed PintOS in four parts: Threads, User Programs, Virtual Memory, and File Systems in C

Artificial Expressionism App   February 2023 – March 2023
- Swift app that modifies user input based on sensor data to generate AI images that can be viewed in AR

ARM Processor Sim   September 2022 – December 2022
- Created an ARM processor simulator to handle standard ARM instructions in C

Book Catalog   March 2022 – May 2022
- Created a python program with a gui that connects to a SQL database to store information about owned books
- Scrapes web to search for book details from ISBN and has search feature to search the catalog

LEADERSHIP AND ACTIVITIES

Rock Climbing and Men's Ice Hockey, University of Chicago   Chicago, IL
Athlete   September 2020 – Present
- Men's Club Ice Hockey Vice President and member of the rock-climbing club with weekly activities