

Andrew DeVoe

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EDUCATION

University of Chicago

Chicago, IL

Bachelor of Science in Computer Science with a Specialization in Computer Systems

Expected, June 2024

Minors in Astronomy and Astrophysics and in History

GPA: 3.83/4.00

Coursework: Operating Systems, Computer Architecture, Theory of Algorithms, Mobile Computing, Intro to Computer Security, Programming Languages, and Intro to Python Programming with Applications to Astro Statistics

SKILLS AND INTERESTS

Programming Languages: Python, C, Java, OCaml, Bash, JavaScript, HTML, and SQL

Software: Docker, AWS, Jenkins, Git, CAD, Alation, and Databricks

Languages: Conversant in German (7 years)

Interests: Ice hockey, Formula 1, soccer, scuba diving, rock climbing, hiking, reading, Monty Python, and history

EXPERIENCE

GE Vernova

Greenville, SC

Digital Technology Intern

June 2023 – August 2023

- Started and managed a computer vision project for experimental research and maintained communication with project stakeholders discussing progress, viability, and evaluation of the model
- Added image classification as a model option in the pre-existing computer vision training pipeline
- Developed a programmatic labeling technique that utilized AWS SageMaker and S3 for image classification of video data segments that is scalable and reusable in different business contexts
- Worked closely with an engineering team to relabel data and retrain a model for a preexisting project based on feedback on the initial model

University of Chicago

Chicago, IL

Computer Science Teaching Assistant and Grader

March 2022 – June 2023

- Worked as a Teaching Assistant for an intro to computer science and Python software development class with about two hundred students
- Led weekly discussion sections teaching material and answering student questions
- Held three office hours per week to answer questions, provide project guidance, and help students debug code
- Graded student code ensuring proper functionality and adherence to the rubric and style guide
- Worked fifteen hours a week while maintaining a full class load

Nationwide Insurance

Columbus, OH

Technology Intern

June 2022 – August 2022

- Improved and updated data architecture design to ensure uniform enterprise-wide data storage and usage
- Developed a pipeline for a docker image to run a Go program and a program for automatic Databricks logging
- Created documentation of enterprise data storage concepts and practices as part of the adoption of Alation

PROJECTS

PintOS (operating system)

June 2023

- Fully developed PintOS in four parts: Threads, User Programs, Virtual Memory, and File Systems in C

Artificial Expressionism App

March 2023

- Developed a Swift app that generates AI images based on user input and sensor data and can be viewed in AR

ARM Processor Sim

December 2022

- Created an ARM computer simulator to handle standard ARM instructions in C

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
- Member of the rock-climbing club with weekly activities