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 | Dean's List 2021-2022
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 to the pre-existing computer vision training pipeline and trained YOLO models
- 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

ACTIVITIES AND LEADERSHIP

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