Christian Hopf

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EDUCATION

Indiana University, Bloomington, IN — May 2022
Bachelor of Science in Computer Science
Specialization: Artificial Intelligence
Minor: Mathematics
Relevant Coursework: Data Structures, Algorithm Design and Analysis, Intro to Artificial Intelligence, Intro to Software Systems, Intro to Computer Vision, Network Technologies and Systems Administration, Principles of Machine Learning

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, SQL, HTML, CSS
Operating systems: Windows, UNIX/Linux
Libraries: TensorFlow, PyTorch, OpenCV
General skills: Deep learning, computer vision, neural networks, data structures, algorithms, complexity analysis
Miscellaneous: Microsoft Excel, Google Docs, AWS

WORK EXPERIENCE

Royal on the Eastside, Bloomington, IN — Spring 2021 - Fall 2021
Lot Porter

- Ensured dealership lot cars were kept clean and presentable
- Worked with salesmen, technicians, and service bay to deliver cars to customers in a timely manner
- Learned to thrive in a rapidly changing environment and communicate between different departments

Subway, Jasper, IN — Summer 2019 - Summer 2020
Team Member

- Headed multiple customer-facing roles and acquired efficient work ethic habits while exercising thoughtful customer interaction
- Expanded customer interaction and teamwork skills to provide efficient, quality service

Walmart, Jasper, IN — Summer 2017 - Summer 2018
Cashier

- Executed efficient customer service through assisting patrons with their orders and answering questions
- Collaborated with other team members to ensure best possible shopping experience

PROJECTS

CIFAR10 Image Classifier — Spring 2022

- Worked with a large image dataset to train and customize deep neural networks to recognize images as one of ten classes
- Gained familiarity with the TensorFlow machine learning library and Keras API in developing deep neural networks

Introduction to Computer Vision: Final Project — Spring 2021

- Used Python to implement and compare performance of multiple image segmentation algorithms
- Assumed a leadership role in division of work and assisting team members in implementation
- Prepared a technical report detailing the goals and processes, and analyzing results of the project

Personal Portfolio Website — Spring 2022

- Built a static portfolio website
- Gained introductory-level experience with AWS website hosting

Intro to Software Systems: Final Project — Spring 2019

- Co-led a team of four people in developing a Java program simulating a movie theater management system
- Aided in program design and assignment of roles and tasks, learning key program design and team management concepts
- Scheduled and oversaw team meetings, gaining valuable leadership experience
- Practiced analysis and revision of teammates' code
- Gained valuable experience in working on a project as part of a team