Raymond Chen

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EDUCATION

University of Maryland, College Park MD
Expected Graduation: May 2027
Bachelor of Computer Science + Mathematics

- University Honors Program
- Computer Science Honors

PROJECTS

Image Recognition AI
Personal Project
July 2023

- Extracted and properly formatted 10,000+ data entries from the CIFAR online database, ensuring suitability for processing
- Developed an image recognition AI using TensorFlow, Keras, NumPy, and Matplotlib in python, achieving over 80% accuracy in identifying and labeling common objects.

Raspberry Pi Noise Alerter
Personal Project
April 2023

- Designed and implemented a sound detection system using Raspberry Pi, Adafruit ADS1015 analog-to-digital converter, and Discord's Bot API.
- Developed python scripts to constantly monitor audio inputs, process sound in real-time, and trigger a custom discord bot to respond if a certain decibel threshold is reached.

WORK EXPERIENCE

Code and Coffee
Data Analyst Intern
September 2022 - June 2023

- Developed a web scraper application to collect and compile data from 7,000+ attendees, consolidating findings into a comprehensive spreadsheet
- Produced actionable insights by generating reports and dynamic dashboards using Excel and SQL

Lenny's Carryout
Manager
April 2017 - Aug 2023

- Successful managed day-to-day operations, inventory management, and customer service
- Contributed to a significant increase to the restaurant's Google rating from a 2.8 stars to 4.0 stars.
- Managed employee schedules and stepped into various roles such as cashier or chef facing short staffage.

Camp Pine Tree
Camp Intern
August 2021

- Volunteered as an intern for a children's summer camp towards the end of the COVID pandemic to assist counselors with activities and engaged with children

CERTIFICATIONS

- **AWS Certified AI Practitioner** | Amazon Web Services (AWS) | In Progress
- **ID Tech Machine Learning Certification** | ID Tech @ MIT | July '23

SKILLS

- **Programming:** Python, Java, C, C++, ATmega32 AVR Assembly
- **Libraries**: TensorFlow, PyTorch, Keras, Numpy, Matplotlib, RegEx, MySQL
- **Environment**: Windows, MacOS, Linux, Amazon Web Services (AWS), Raspberry Pi, Ardunio