Jerry Guo

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Skills

Languages Python · C++ · C · C# · Java · JavaScript · Bash
Dev Tools Git · AWS · Linux · Docker · React · Django · MySQL · MongoDB · Airflow · Thrift

Experience

Amazon
Unknown

Software Engineering Intern
May 2021 - Sep 2021

- Incoming Software Development Engineer at Amazon

Zynga
Python, Airflow, AWS, Spark, Docker

Software Engineering Intern
Jan 2020 - April 2020

- Worked on machine learning team, managing high-volume data services and maintaining data store's high-throughput ingestion pipelines
- Designed and built scalable and self-balancing distributed cluster systems, increasing the average job throughput by 15%
- Streamlined a pipeline on Airflow allowing teams to schedule data ingestions up to 3x faster

Rippling
Python, JavaScript, AWS, React, Django, MongoDB

Software Engineering Intern
May 2019 - Aug 2019

- Worked on on-boarding team, building user-facing core features on Rippling's main product
- Led and shipped an end-to-end E-Verify web platform to automatically determine US employment eligibility used by over 90% of Rippling customers
- Coordinated directly with stakeholders and customers to update and improve on-boarding system

Element AI
Python, C++, JavaScript, React, Docker

Software Engineering Intern
Sep 2018 - Dec 2018

- Worked on OCR team, building internal tools, APIs, and machine learning infrastructure
- Designed a Flask API to control a flying drone using sensory inputs from AR goggles
- Generated 1M+ synthetic random receipts used for OCR model training

Bank of Montreal
Python, VBA

Security Analyst Intern
Jan 2018 - Apr 2018

- Worked with analysts to build tools for parsing benchmarks + metrics used to identify suspicious activity
- Built a pipeline to automatically format and standardize raw CSV data

Conrad Business Centre
Python, Pandas, JavaScript

Software Engineering Intern
May 2017 - Aug 2017

- Worked on building data infrastructure and pipelines for natural language processing
- Mined thousands of email + text conversation data-sets to train customer service chat-bot

Projects

Automated Sports Camera System
Python, OpenCV, TensorFlow, NVIDIA Jetson Nano

- Worked with a team of six, building development infrastructure and computer vision tools
- Designed image processing software to find bounding boxes of a sports ball using a KCF filter

University of Waterloo
Bachelor of Applied Science, Computer Engineering

GPA 3.45
Sep 2016 - Apr 2022