Jerry Guo

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Skills

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

Experience

Amazon
Software Development Engineering Intern
Remote
May 2021 - Sep 2021

- Incoming Software Development Engineer at Amazon

Zynga
Software Engineering Intern (Python, Airflow, Spark)
Toronto, Canada
Jan 2020 - April 2020

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

Rippling
Software Engineering Intern (Python, JavaScript, MongoDB)
San Francisco, USA
May 2019 - Aug 2019

- Worked on the 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
Software Engineering Intern (Python, C++, JavaScript)
Montreal, Canada
Sep 2018 - Dec 2018

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

Bank of Montreal
Security Analyst Intern (Python, VBA)
Toronto, Canada
Jan 2018 - Apr 2018

- Worked with analysts, building tools for managing metrics used for vulnerability and risk assessments

University of Waterloo
Software Developer Intern (Python, JavaScript)
Waterloo, Canada
May 2017 - Aug 2017

- Worked with university's school of business, 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 a camera system to detect and track events in sports games
- Built development infrastructure, CI/CD pipelines and computer vision tools to support other teams
- Designed image processing software to find bounding boxes of a sports ball using a KCF filter

University of Waterloo
GPA 3.45
Bachelor of Applied Science, Computer Engineering
Sep 2016 - Apr 2022