Andrew Cho

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SKILLS

Languages: Python • JavaScript • R
Frontend: HTML • CSS • Flask • React • NodeJS
Backend: AWS • Azure • PostgreSQL • MongoDB • Docker • FASTAPI • Flask • Alembic • Firebase
Testing/Tools: Unix • Git • K6 • Loader.io • NGINX • Pandas

EXPERIENCE

Type Better App
Full Stack Developer (Apr 2022 - Current**)**
- Full-stack web based typing game for improving speed and accuracy of keystrokes.
- **JavaScript** front-end with **Firebase** authentication, and complex state management using various **React** hooks.
- **Flask** back-end controller that serves requests from the front-end and stores user data on a **Postgres** database.

BNY Mellon. Jersey City, NJ
Test Engineer (August 2021 - Apr 2022**)**
- Built ETLs to integrate data from multiple sources to BNY Mellon's cloud-based data platform for investment managers.
- Troubleshooted and optimized queries at the ETL and data onboarding stage using Azure logs and New Relic.
- Developed unit tests for BNY Mellon's database system in SQL.

Bloomberg LP. New York, NY
Software Engineer (June 2020 - Sep 2020**)**
- Participated in entry level hire training. Learned about the proprietary technologies that are in use at Bloomberg.

Trading Solution Product Specialist (May 2015 - May 2020**)**
- Built a reporting tool in Python for clients to process, cleanse, and verify compliance related trading data.
- Conducted onsite meetings with clients to discuss business objectives, and implement technical solutions.
- Regularly participated with general counsels and chief compliance officers to discuss and improve risk and compliance monitoring.
- Monitored SLI and SLO on trading systems for large clients to prevent latency issues.
- Conducted onsite training to buy side clients on Order Management System functions. Built portfolio monitoring rules and automated holding and trading reports.

Two Sigma Investments LP. New York, NY
Compliance Officer (June 2012 - March 2014**)**
- Monitored trading ideas in real time for compliance purposes.
- Investigated sensitive compliance related matters using data science techniques. Probed large sets of data for compliance related infractions and violations.
- Designed compliance controls in equity trading to minimize regulatory and compliance risks.

PROJECTS

Atelier (Oct 2022)
- Refactored an API that uses a monolithic architecture into a micro service architecture using : **JS**,**Postgres**, **pandas**, **Loader.io, K6,**
Bloomberg Compliance/ Risk Template Recommender (Sept. 2019 - June 2020**)**
- Built an NLP based recommendation model. The suggested one of 130 risk monitoring templates based on regulatory guideline notated in text using : **python**, **scikit-learn**, **pandas**, **NLTK**
- Cleaned and normalized 1000+ text data using Pandas and NLTK.
- Built a Machine Learning model using Saikit Learn NLP library and achieved F-1 Score of .61 using K-NN

EDUCATION

Hack Reactor (June 2022 - Oct 2022**)** - *Advanced Software Engineering Immersive Program (Certificate)*
University of Massachusetts, Amherst, MA (Sept 2007 - June 2011**)** - *Operations Management (Bachelors)*