

JERRY PENG

Software Engineer

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📍 West Chester, PA

👤 <https://jayraypang.github.io/>

WORK EXPERIENCE

Capital One

Senior Associate Software Engineer

📅 Feb 2021 – Present

📍 Richmond, VA

- Worked on webservices in Java to read from Cassandra and DynamoDB calculate features used to detect fraudulent activity
- Wrote data ingestion scripts with Spark in Python and Scala to process data from Kafka streams into the databases mentioned above
- Updated configurations of AWS services and infrastructure to address latency issues in the services mentioned above
- Worked closely with machine learning team to design a model as service which would reduce the number of fraud detection challenges the average Capital One consumer has to face without also weakening fraud detection

The Vanguard Group

Full Stack Engineer

📅 Jul 2019 – Feb 2021

📍 Malvern, PA

- Wrote webservices in Java and Spring to coordinate the collection of fees from customers under Vanguard Personal Advisor Service managed accounts
- Created CloudFormation Templates to create AWS infrastructure to support the webservices mentioned above
- Worked with Attunity Replicate to transfer data from legacy DB2 instances to DynamoDB
- Used Apache Spark and Python to create scripts to transfer fee invoice data to our data lake for use by the audit team
- Mentored newly hired members to the team by pair programming with them and setting up their environments

INTERNSHIPS

Pfizer Inc.

PfizerCares Summer Worker

📅 May 2017 – Aug 2017

📍 New York, NY

- Wrote Python/VBA scripts to create easy-to-read visual dashboards for unsolicited medical requests in Excel and Spotfire
- Used Python and its Pandas, BeautifulSoup, nltk, and SciPy modules to analyze search/website data for the GetHealthyStayHealthy website and implemented an recommended articles feature for users based on their site browsing habits
- Redesigned and maintained a team Sharepoint site for the medical governance group
- Did data entry/cleanup for PfizerCares portal, dealing with requests from terminally ill patients for Pfizer's still experimental drugs

EDUCATION

Carnegie Mellon University

B.S. in Business Administration

Minor in Computer Science

📅 Aug 2015 – May 2019

- Concentrated in Finance/Business Technology

PROJECTS

NBA Hackathon

Basketball Track

📅 Sep 2017

📍 New York, NY

- Worked in a team of four to create a app that analyzed player movement and shot tracking data to predict when teams would go on scoring runs

FreeCodeCamp

Open Source Contribution

📅 Fall 2018

- Re-factored JavaScript codebase to remedy issues with screen readers and localStorage

LANGUAGES

Java

TypeScript

Python

Rust