

# JERRY PENG

## Software Engineer

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☎ 484-886-5259

📍 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

## CERTIFICATIONS

AWS Certified Solutions Architect - Associate

📅 Nov 2021 – Nov 2024

## LANGUAGES

Java

TypeScript

Python

Rust