Vincent R. Fiore

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Experience

Senior Programmer
New York City Department of Investigation • New York, NY / Remote • April 2018 –
- Administer, support, and update agency's Java-based CMS application. Managed Linux servers through command line, shell, and Python scripting.
- Created a Java application to replace an end-of-life COBOL database. Designed a visual interface that allowed for reporting and easy access to decades worth of data. Used Spring Core, Security, and Boot. Developed with Eclipse, Maven, and JUnit testing.
- Created a Python program to automate searching tasks for investigators and decrease their time spent on these activities from multiple hours to a few minutes.
- Created Apex-based applications with Oracle backends to replace failing Access-based apps. Dramatically increased uptime, reliability, and ease of use for all users. Created a full audit trail with Oracle SQL functions and stored procedures.

Software Engineering Intern
Major League Baseball • New York, NY • January – September 2017
- Used Python to created programs to automate workflows that previously took hours of manual work
- Created and managed queries for SumoLogic dashboard
- Managed and conducted internal and external network scans using Qualys
- Administered and setup of hundreds of employee phones using AirWatch

Software Engineer
Les Pain • New York, NY / Remote • January – June 2017
Programmed and designed an iOS application using Swift for chronic pain patients to track their pain and communicate with doctors.
- Created a Java backend API for hosting user data
- Released private beta to over 30 users and made changes based on feedback
- Released full version of application to Apple App Store
- Finalist team in the Zahn Innovation Center Entrepreneurial Competition

Education

Master of Science, Computer Science
Pace University • New York, NY • December 2017

Bachelor of Science, Computer Science
St. John's University • Jamaica, NY • May 2016

Projects and Research

Majestic 35, Movie Collecting App (Personal)
Created an application for users to catalog and share the movies they've seen with friends. Used Swift, Firebase, and Cocoapods to create the application and backend. Released on the Apple App Store.

Twitter Sentiment and Topic Analysis (Capstone Project 1)
Used machine learning and natural language processing to determine the mood and topic of Tweets, creating a classifier that correctly predicted each 87% and 90%, respectively. The research was published as part of Pace University's Student-Faculty Research Day on May 5th, 2017.

Programmatically Produced Cybersecurity Thesaurus (Capstone Project 2)
Used natural language processing techniques to dynamically create a thesaurus of cybersecurity words based on the Tweets of experts in the field. Parsed over 40,000 posts to find recurrences, remove irrelevant words, and create a pertinent corpus.

Skills

Java • Python • Swift • iOS Development • Android Development • SQL • MySQL • NoSQL