Yash Pandey

+1 267 746 7992 | yashpand3y@gmail.com

yashpand3y.github.io | www.linkedin.com/in/yashpandey99

Fairmount ● Philadelphia ● PA 19123

PROFESSIONAL EXPERIENCE

Quantitative Programming Specialist
Forefront Analytics, Conshohocken, PA   September 2022 – August 2024
- Created a cryptocurrency validator and helped secure 1M USD equivalent SOL as stake
- Designed AWS ETL pipeline on Figma and implement from start to maintenance post-deployment
- Refactored existing codebase to decrease data download time with updated connection protocols
- Optimized existing SQL schema and queries to reduce update query execution from 1 hour to 15 minutes
- Transitioned scripts to present-day code standards introducing the company to automatic code documentation
- Built AWS Lambda, REST API, and SQL data pipelines to daily data updates for portfolio manager analysis tools
- Deployed a Kanban board (Jira), Git Version Control (BitBucket), and code documentation repository (Confluence)

Data Scientist Fixed Income Co-op
Glenmede, Philadelphia, PA   September 2019 – March 2020
- Automated data extraction using web scrapers and AWS Lambda Functions to facilitate investment decisions
- Developed python scripts for all parts of the ETL data refining process from different data sources to visualized
- Created AWS Quicksight Dashboards for data aggregation and summarization of over 45 million CUSIP datapoints
- Expedited extraction and refining of over 100,000 specific CUSIP data points through python scripted parallel automation

Software Developer and QA Co-op
IndustrySafe, Philadelphia, PA   September 2018 – March 2019
- Developed forms and web application in C# for webpage functionality for report management
- Automated daily error log reports daily with statistical inference to facilitate workflow optimization
- Create test cases and scripts to address bugs and compile error reports for analysis by the development team
- Update SQL database calls improving query efficiency from 30 minutes to 15 minutes by leveraging reference table

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, Pandas, Selenium Web Driver, C#, Bash, HTML, CSS, JavaScript, Node.js
Development Tools: Git, Perforce, AWS Quicksight, AWS Lambda, GitHub Actions, Agile, CI/CD
Database Management Tools: SQL, NoSQL, PSQL, Oracle, AWS Quicksight, AWS Lambda

PRIOR PROJECTS

Product Owner and Programming Lead, Engine: Unity 3D, C#
Senior Design Project: Rushdown, Philadelphia, PA
3 v 3 Competitive Platformer recreating freeze tag with advance mobility
- Principal developer in team developing various features including Abilities, Online Networking, and Player Movement
- Manage CI/CD development needs with Advisor, Art, and Design team
- Integrate abilities, online matchmaking, and movement system with test plans
- Developed and tuned an animation state machine

Game Developer and QA, Engine: Unity 3D, C#
Pasithea by GLIDE Labs, Philadelphia, PA
AR/VR Phone app to become a part of a story with the exhibits of the local Public Metropolitan Museum
- Designed and developed gameplay and content estimating 3 hours of playtime spanning over the entire exhibit wing
- Created thematic UI design for the game further enhancing player experience
- Executed test plans to debugged test plans for login authorization through Firebase

EDUCATION

Drexel University, Philadelphia, PA   Graduation Date: June 2022
B.S. in Computer Science   GPA: 3.44
With concentration in Game Programming and Development & Artificial Intelligence track

AWARDS AND ACHIEVEMENTS

Philadelphia Codefest Sponsor Category Winner   May 2019
1st in Indeed.com Most helpful Job Seeker
1st in Comcast Learning Module for Internet Essentials Customers

Drexel University
Dean's List