

Yash Pandey

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Fairmount • Philadelphia • PA 19123

EDUCATION

Drexel University, Philadelphia, PA

B.S. in Computer Science

With concentration in Game Programming and Development & Artificial Intelligence track

Graduation Date: June 2022

GPA: 3.44

PROFESSIONAL EXPERIENCE

Forefront Analytics, Conshohocken, PA

September 2022 – August 2024

Quantitative Programming Specialist

- Optimized existing SQL schema and queries to improve operational efficiency
- Refactored existing codebase to maintain existing functionality of analysis tools
- Designed AWS ETL pipeline and implement from start to production stage on Figma
- Transitioned outdated code to updated code infrastructure while applying present-day code standards
- Managed creating a cryptocurrency validator to deliver presentations to clients alongside technical expertise
- Deployed DevOps tools for productivity such as kanban board (Jira), Git version control (BitBucket), and code documentation

Glenmede, Philadelphia, PA

September 2019 – March 2020

Data Science Fixed Income Co-op

- Automated data extraction using web scrapers and AWS Lambda Functions
- Developed scripts for all parts of the ETL data refining process from different data sources
- 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 scripted parallel automation

IndustrySafe, Philadelphia, PA

September 2018 – March 2019

Software Developer and QA Co-op

- Update SQL database calls for improving query efficiency by 40%
- Automated compiling 35+ error log reports daily with statistical inference taking just a few seconds
- Developed forms and web application code for web page functionality for creation and modification of reports
- Create test cases and scripts to address bugs and compile error reports for analysis by the development team

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, Pandas, Selenium Web Driver, C#, Bash, HTML, CSS, JavaScript, Node.js

Database Management Tools: SQL, NoSQL, PSQL, Oracle, AWS Quicksight, AWS Lambda

Development Tools: Git, Perforce, AWS Quicksight, AWS Lambda, GitHub Actions, Agile, CI/CD, Automation (Python)

PRIOR PROJECTS

Senior Design Project: Rushdown, Philadelphia, PA

September 2021 – June 2022

Product Owner and Programming Lead, Engine: Unity 3D, C#

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
- Create an animation state machine as a combination of blend trees and states

Pasithea by GLIDE Labs, Philadelphia, PA

September 2020 – March 2021

Game Developer and QA

AR/VR Phone app to become a part of a story with the exhibits in the Philadelphia Museum of Art

- 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

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