Shy Youmans

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EDUCATION

Bachelor of Science (B.S.S.E.) – Software Engineering

Drexel University, Philadelphia, PA   Expected Graduation: Jun 2025

Minor: Biological Sciences
Awards: Drexel Liberty Scholarship

SKILLS & TOOLS

Skills: De-identification Techniques, Privacy Engineering, Software Quality Testing, Human-Computer Interaction, Programming: Python, Java, C, Unix/Linux, Agile Development, Project Planning, Leadership, Research, Organization

Tools: AWS Lambda, Azure, Docker, GIT, Jira, IntelliJ, Junit/PyTest, Eclipse, Visual Studio, PostgreSQL, MongoDB, SQL, Postman, Typescript, React, Microsoft Office Suite, Teams, Google Workspace, OpenAI, React

PROJECTS

Profit Quest – Full-Stack Developer

Drexel University, Philadelphia, PA   Sep 2024 – Jun 2025

- Led and architected the Java based backend as RESTful microservices, exposing endpoints for portfolio management and real time ranking
- Developed a React/TypeScript SPA that consumed those microservices via an API gateway
- Automated CI/CD pipelines in Azure DevOps, running unit tests (JUnit), security scans, and rolling deployments
- Enhanced backend functionality by leveraging Azure services for secure and scalable data storage

EXPERIENCE

Comcast - Privacy and Data Protection Engineer   Apr 2024 – Sep 2024

Comcast, Philadelphia, PA

- Contributed to the design, development, and testing of Comcast's de-identification risk engine, integrating AI techniques
- Expanded test coverage from 3% to 67% for internally developed tools, leveraging prior testing expertise and advanced debugging techniques
- Integrated AWS Lambda services and used Docker to deploy AI-driven privacy solutions in a cloud-based architecture
- Analyzed datasets to identify potential privacy risks, recommending appropriate de-identification solutions to mitigate these risks

National Board of Medical Examiners - System Administrator   Apr 2023 – Sep 2023

NBME, Philadelphia, PA

- Authored complex T-SQL stored procedures in PostgreSQL to support reporting dashboards, optimized queries to reduce run-times
- Developed Jira Cloud post-functions (JMWE) to automate ticket workflows, decreasing manual escalations by 25%
- Utilized Eclipse IDE for creating and deploying Java automations, enhancing system functionalities, and reducing manual efforts

LICENSES & CERTIFICATIONS

AWS Certified Cloud Practitioner   Anticipated Completion: May 2025
*Trained through **Comcast resources** during my Privacy Engineer Co-op and continued preparation independently*