

Cindy J Cheng

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EDUCATION: University at Buffalo (UB)--SUNY Buffalo, NY
BA Computer Science Major & Philosophy Minor (GPA 3.5/4.0) May 2023

PROFESSIONAL EXPERIENCE: Voya Financial New York, NY
Associate Software Developer June 2023-Present

- Establish CI/CD process for defining and delivering enterprise data customer domain solution.
- Present design solutions to enable encrypted batch data ingestion from Salesforce CRM to Databricks Unity Catalog.
- Build pipeline jobs in Databricks for raw, clean-staging, and clean layer processing with terraform for IaC deployment solution.
- Implemented unit tests and synchronous logistic to understand SQL runtime processes handling over 30,000+ column data for comment and tag generation.
- Built a dynamic object-oriented python program in Databricks to classify data quality rule logic and automate SQL queries for Tableau dashboard integration.

Software Developer Intern (Data Quality) May 2022-May 2023

- Collaborated in weekly agile ceremonies to review code quality, improve project workflows, and track progress on Storyboards.
- Developed and debugged BPMN diagrams and Colibra workflows using Java/REST API to enhance technical/business metadata accessibility, efficiency, and organization for business users.
- Raised support tickets, troubleshoot, and set coaching sessions for restructuring Colibra CDIC, edge installation, and SQL connector set up.
- Administered Colibra CDIC operating model, scopes, console configuration. Held training sessions, and established a version-controlled repository for expanding engineering team.
- Navigate and understand the current data governance solution in the world of enterprise data management to enhance current processes with ever-changing industry solutions.

RESEARCH EXPERIENCE: Research Assistant, Department of Computer Science (UB) Buffalo, NY
Wireless Performance Evaluation Project Feb 2022-May 2023

- Applied web features for users to measure and analyze wireless signal propagation.
- Planned and refactored existing code, server applications, and MySQL databases.
- Connected with project mentor Filippo Malandra about team progress and tasks.

TECHNICAL SKILLS:

- Scripting/Programming Languages: C, C++, JavaScript, Scala, Python, MIPS, SQL
- Content Management Tools: GitHub, Figma, Zen Hub, Storyboard, Atlassian
- Databases: Oracle, MySQL, MongoDB
- Tools: Colibra, Databricks, Terraform, Azure, Soda
- IDEs: VS Code, Eclipse, IntelliJ, Emacs

ACADEMIC EXPERIENCE: Teaching Assistant, Department of Computer Science (UB) Buffalo, NY
CSE116 - Intro to Computer Science II (Scala) Jan 2021-Jan 2023

- Reviewed course expectations in weekly meetings with Prof. Hartloff and TA staff.
- Engaged students with demos/memory diagrams illustrating programming concepts.
- Covered and graded weekly lab activities consisting of student interviews and quizzes.
- Hosted daily office hours for student coding/course inquiries.

UB Hackathon Buffalo, NY
Techno Nimbus 2000 – Second Place October 2021

- Designed and built a theremin guitar with Arduino C, breadboard, and basic circuit theory.
- Coded corresponding music notes by mapping ultrasonic sensor data to library notes.