

JIMMY DUDLEY

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PROFESSIONAL EXPERIENCE

Discover Financial Services

May 2018 – Present

Senior Software Engineer

Riverwoods, Illinois

- Developed and co-architected features for the Universal Data Loader, a fully event-driven AWS application for transforming and loading data from AWS S3 into Snowflake, with provisions for future Redshift and S3 Parquet targets
- Integrated a Jenkins CI/CD pipeline fully automating python unit testing, test coverage and linting feedback, and packaging of core UDL code and dependent libraries triggered by GitHub pull requests
- Assisted campus recruitment programs by mentoring two interns and served as a guest panelist for recruitment days

Associate Data Engineer

- Worked in Agile software development as part of the Cloud Data Enablement Team
- Developed a python tool used to validate petabytes of data migrated across Snowflake, Teradata, Redshift, and S3
- Designed and implemented a front-end for monitoring success and progress of ETL transactions in AWS

Data Engineering Intern

- Utilized multiple front-end and back-end tools within Amazon Web Services to launch a Flask application for uploading files to S3 buckets, metadata cataloging, and application traffic
- Placed first in the team-based intern innovation competition

Miami University

January 2018 – June 2018

Teaching Assistant – CSE 274: Data Structures and Abstractions

Oxford, Ohio

- Ran JUnit tests and developed driver classes to grade students' projects, labs, and exams relating to object-oriented concepts including polymorphism, inheritance, recursion, etc.
- Held weekly office hours, attended lectures to assist with course material, and instructed labs in absence of the professor

Blue Cross Blue Shield Association

May 2017 – August 2017

Actuarial & Finance Intern

Chicago, Illinois

- Compiled a master list of medical procedure pricing derived from a database of 35,000 surgical records
- Contributed to financial reports on audit fees and investment returns of Blue System health companies
- Regularly took part in financial consulting assignments and developed comprehensive summaries for department executives

EDUCATION

University of Illinois

August 2019 – Present

Master of Computer Science

Urbana-Champaign, Illinois

- 4.0 Cumulative GPA; anticipated graduation May 2021
- Courses: Text Information Systems (Natural Language Processing), Parallel Computing, and Cloud Computing Applications

Miami University

August 2014 – May 2018

Bachelor of Science, Mathematics and Statistics

Oxford, Ohio

Minors in Computer Science and German

- 3.5 Cumulative GPA
- University Honors Program, President's List, Miami University Scholar Leaders
- Awarded the *Dean's Commendation for Academic Performance and Contributions to the Community*
- Recipient of \$120,000+ in academic scholarships

TECHNICAL SUMMARY

Programming: Python | Java | R | SQL | HTML | CSS | JavaScript

Tools: Amazon Web Services | Git | Jenkins | Terraform | GitHub | GitLab | Ansible | Chef

Platforms: Unix | Linux | Windows

VOLUNTEER WORK

German-English Translator, Syrian Refugee Center of Luxembourg

January 2016 – June 2016

- Translated directions in German and English between the refugee center director and volunteers
- Organized a clothing drive of 700 items of clothing, shoes, linens, and other household items for refugees

Eagle Scout

November 2013

- Designed, financed, and constructed raised garden beds for a community park