

Lei Zhang

(352) 870-6893

<https://github.com/lovinchanglei/projects>

tjzhanglei@hotmail.com

CAREER PROFILE

Data Engineer/BI Engineer with over 7 years of experience in data integration/ETL, SQL database management, dashboard design and development, and computer programming. Multidisciplinary background in Computer Science, Statistics, and Business Analysis. Authorized to work for any employer in the U.S. and no sponsorship is needed.

Core skills: AWS (S3, Athena, Lambda, Glue etc.), Snowflake (DCR), Azure Data Factory, Python, SQL, Jenkins, Git, Alteryx, VBA, Java, data visualization tools (Tableau, DOMO, d3.js), machine learning

EMPLOYMENT

Invesco, Atlanta, Georgia

Sr. Analytics Engineer

March 2023 – Present

Data Engineer

March 2021 – February 2023

- Designed, developed and maintained ETL pipelines for the Insight & Analytics team using AWS/Snowflake
- Implemented a tool to monitor and ensure data quality and conducted root cause analysis
- Developed and maintained data dictionary documentation
- Assisted sales business analytics team with large-scale dataset consolidation and built Tableau dashboards
- Worked with data scientist teams on data model design and model deployment
- Enhanced legacy data integration processes including framework and data model
- Optimized legacy dashboard queries and reduced the total running time by 40% on average

Cortland, Atlanta, Georgia

Data Analytics Manager

October 2018 – March 2021

- Maintained and enhanced data integration/ETL pipelines in Azure Data Factory
- Managed database CI/CD process and deployments using Redgate/Git/Jenkins/Octopus
- Architected and maintained data validation automation framework
- Implemented reporting automation framework to develop various KPI reports and ad hoc analyses; the framework improves working efficiency by 30% and eliminates manual errors
- Managed an investment and financial reporting ecosystem using SQL/Python/VBA/DOMO

BI Engineer

May 2017 – October 2018

- Designed and implemented part of the ETL strategy for the data and analytics purpose
- Implemented dimensional data modeling; developed SQL stored procedures to facilitate the ETL process
- Architected unit test framework, implemented tSQLt unit tests, and developed testing code

Hyperlynx Media Inc., Gainesville, Florida

Statistician Intern

February 2017 – November 2017

- Supported company's marketing campaigns via data analysis using SQL and SAS
- Executed data extraction, data cleaning and preparation, descriptive and trend analysis, and QA/QC

Department of Civil Engineering, University of Florida

Research/Teaching Assistant

May 2013 – August 2016

UTrust Real Estate Consultants Inc., Shanghai, China

Market Analyst Intern

December 2009 – June 2010

EDUCATION

M.S. in Computer Science, Georgia Institute of Technology

(expected) Dec 2025

M.S. in Statistics, University of Florida

May 2017

M.S. in Civil Engineering, University of Florida

May 2013

B.S. in Construction Engineering Management, Tongji University

July 2010

UF | UNIVERSITY of
FLORIDA
The Foundation for The Gator Nation

College of Engineering
STEPUP XVIII

Most Outstanding
Instructor Award

Xhang Lei



August 2012