Brighton Le

le.bri@northeastern.edu • (508) 615-2535 • linkedin.com/in/brighton-le

EDUCATION

Northeastern University, Khoury College of Computer Sciences **Aug 2022 - May 2026**
B.S. in Computer Science & Business Administration, conc. Financial Technology *Boston, MA*
Relevant Courses: Data Structures & Algorithms, Database Systems, Distributed Systems, Machine Learning

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript, C/C++, Java
Data & Cloud: PostgreSQL, DataBricks, Snowflake, MongoDB, Apache Spark, AWS (S3, EC2, Lambda, DynamoDB), Azure
AI/ML Libraries: Pandas, Numpy, Scikit-learn, Matplotlib, TensorFlow, PyTorch
Tools & Frameworks: Git, Linux, Docker, SQLAlchemy, Boto3, Jenkins, Kubernetes, Alteryx, Power BI, Prisma, Neo4j

PROFESSIONAL EXPERIENCE

Fidelity Investments | Boston, MA **Jun 2025 - Aug 2025**
Data Engineer Intern

- Built a metadata-driven Python framework to automate PostgreSQL data operations, enabling users to define and trigger workflows through centralized metadata instead of code changes, **reducing manual code updates by 80%**.
- Designed an automated error alerting system using stored procedures and HTML email reporting, sending **daily logs of 20+ pipeline errors** to **15+ engineering and QA stakeholders** and reducing manual monitoring time by **50%**.
- Engineered a scalable Python and Spark batch pipeline for Snowflake that processed **4M+ records**, improving pipeline reliability and supporting efficient large-scale data ingestion and downstream analytics.

Boston After School & Beyond | Boston, MA **May 2024 - Jun 2025**
Junior Data Architect

- Partnered with Fidelity engineers through the Common Impact Program to modernize the data ecosystem, helping transition from a relational architecture to a scalable NoSQL framework supporting **300+ client programs**.

Data Engineer Co-op

- Automated API-driven ingestion of Salesforce CRM and FormAssembly data with Python scripts, streamlining collection of **50,000+ student, school, and program records** and improving downstream data processing efficiency.
- Optimized Alteryx ETL workflows by developing reusable macros that **reduced processing time by 90%**, scaling transformation of large datasets, and improved delivery of reliable data for **Power BI dashboard**s and visualizations.

IPG Photonics | Boston, MA **May 2023 - Sep 2024**
Systems Engineer Intern

- Streamlined R&D development and validation of laser systems using C/C++, debugging **400+ mixed-signal circuits and microprocessor-based components** in collaboration with cross-functional hardware and software teams.

LEADERSHIP EXPERIENCE

Fidelity Investments | Boston, MA **Nov 2025 - Jan 2026**
Student Brand Ambassador

- Spearheaded outreach to **100+ students** through on-campus engagement and 1:1 coffee chats, sharing career guidance and recruiting insights while partnering with Fidelity recruiters to strengthen campus recruiting efforts.

Rev - Northeastern University | Boston, MA **Sep 2024 - Dec 2024**
Software Engineer Lead

- Led a team of **10 engineers** in delivering a scalable full-stack form automation platform for the Museum of Fine Arts, Boston, and designed PostgreSQL and Prisma data workflows that improved data integrity and query performance.

PROJECTS

ClimbAI | Python, SQL, Neo4j, TensorFlow, React.js, Docker **Spring 2026**

- Built a full-stack climbing analytics platform that transformed wall image and hold-coordinate data into structured route datasets, supporting route visualization, performance analysis, and recommendation features.
- Developed Python ETL and ML workflows to process climbing data, implementing GPT-based models (GPT 3.5) to predict route sequences, movement patterns, and personalized climb recommendations.

TalentLens | Python, PostgreSQL, AWS (S3, Lambda, EC2), Docker **Fall 2025**

- Designed a cloud-based full-stack job market analytics platform that ingested and analyzed **10,000+ job postings**, enabling interactive exploration of hiring trends, salary benchmarks, and in-demand skills across technical roles.