

# Jacob Libby

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## SUMMARY

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Highly-skilled software engineer with a combined 7 years of computer science teaching and data standardization experience. Pioneered improvements of data pipelines and designed ETL code, resulting in an 80% reduction in delivery time and enthusiastic satisfaction from the company's top 3 largest and most profitable clients. Integral in ongoing process of national bank's full data pipeline migration. Passionate about analyzing data and constructing data pipelines to create tangible impact.

## HIGHLIGHTED SKILLS

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|----------|----------------|--------------------|---------------------------|
| • Python | • SQL          | • Machine Learning | • Artificial Intelligence |
| • C++    | • AWS          | • Data Ops         | • CI/CD                   |
| • Github | • pytorch      | • scikitlearn      | • tensorflow              |
| • Zena   | • Azure DevOps | • SQL Server       | • Transact-SQL            |
| • SAS    | • Scrum Master | • AWS Glue         | • Snowflake               |
| • WinSCP | • Filezilla    | • Microsoft Suite  | • Command Line            |
| • VMWare | • Bash         | •                  | •                         |

**Languages:** Python, SQL (PostgreSQL, PrestoSQL, SQLite), Bash, Ruby, R, Javascript, C, C++, Assembly

**Technologies:** Machine Learning, pandas, sci-kit learn, numpy, pytorch, Jinja, Flask, Rails, React, BigQuery, GCP, Apache Beam, Airflow

**Tools:** Github, Amazon Web Services (AWS: S3, Athena), CI/CD, APIs, Jira, Confluence, NVIM, Tableau

## EDUCATION

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### Certifications and Independent Coursework 2024 – Present

- IBM Python Data Science | *Python, Data Science*
- BigQuery for Big Data Engineers | *BigQuery, Google Cloud Platform, Web Console, Python Client Library*
- Odin's Full Stack Ruby on Rails & JavaScript | *Ruby, Rails, JavaScript, HTML, CSS, React, NodeJS*
- MIT OCW's Performance Engineering | *C, Algorithms, Optimization, Parallel Programming, Assembly*

### Wheaton College, Norton, MA 2018 – 2022

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|---|---------------------------------|
| • B.A. in Computer Science, Dean's List 2018 – 2022 | Magna Cum Laude, GPA: 3.73/4.00 |
| • B.A. in Mathematics, Dean's List 2018 – 2022      | Magna Cum Laude, GPA: 3.72/4.00 |

## EXPERIENCE

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### Data Engineer Sep 2024 – Present

Huntington Bank, Minnetonka, MN

- Design, develop, and optimize data orchestration through processing pipelines and workflows using Zena, AWS, SQL Server, Snowflake, and RedPoint
- Provide production support, responding rapidly to incidents and automating areas of improvement
- Perform data wrangling and exploration to support business needs
- Facilitates stand-up and other Agile meetings as a secondary Scrum Master

### Associate Data Engineer

N1 Health, Boston, MA (remote)

Oct 2022 – Oct 2023

- Designed and implemented Python, SQL, Jinja, and Bash ETL/ELT code to standardize client medical claims and member data for analyses, reducing delivery time by up to 80%
- Led standardization and dashboarding of healthcare data, resulting in multiple multimillion dollar contracts
- Wrote well-documented code for over 5 clients, including the company's 3 most profitable clients
- Cultivated cross-team collaboration with project managers, data scientists, data analysts, improving communication and streamlining the implementation of client and team feedback

**CS Tutor and Teaching Assistant      Wheaton College, Norton, MA      Jan 2020 – May 2022**

- Guided over 70 students through concepts in Python, SQL, C++, C, Data Structures, Algorithms, OOP
- Recommended programming and critical analysis strategies, significantly improving student performance
- Analyzed student code 1-on-1 and counseled implementations to optimize time and memory efficiencies
- Articulated logistics of over 20 programming assignments, ensuring understanding of project requirements
- Fostered relationships with tutees, creating an environment of trust and inclusion

**FabLab Technician      Wheaton College, Norton, MA      Aug 2019 – May 2022**

- Trained over 100 students and faculty on makerspace equipment (3D printing, laser cutting, CNC milling)
- Assisted students in creating portfolio websites and thorough documentation for 15 projects
- Supported 30 students enrolled in FabAcademy in circuitry, soldering, Fusion, KiCad, and web design

**Treasurer - WCCS Radio      Wheaton College, Norton, MA      Jan 2019 – May 2021**

- Kept records of all expenditures using the organization's portals and Microsoft Excel
- Created annual budget and applied for funding, culminating in an over \$20,000 annual budget
- Orchestrated event planning with vendors, faculty, and students
- Regularly provided financial reports to members of the organization

**Apple Repair Technician      ESPO Corporation, Portland, ME      June 2021 – July 2021**

- Diagnosed and troubleshooted customers' technical issues and performed hardware repairs in a timely fashion
- Created and maintained accurate inventory records of all computer components
- Handled and processed the incoming and outgoing orders and shipping procedures

**A/V Technician      Casco Bay High School, Portland, ME      Dec 2014 – May 2018**

- Trained students and faculty on audio and video equipment for meetings, events, and shows
- Maintained and operated live sound equipment and projectors for over 120 live events