

# Brey Rivera

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## SKILLS

**Programming:** Python, SQL, Scala, Java, JavaScript

**Markup:** HTML, CSS, Familiar with LaTeX

**Algorithms (familiar with):** K-means, DBSCAN, KNN, Naive Bayes, Decision Trees

**Tools:** Databricks, GitHub, Git, AWS, Azure, WordPress, Weka, Jupyter Notebook

## CERTIFICATIONS

**Apache Spark Developer Associate (Scala)** — issued July 2023 — Expires July 2025

**Azure Data Fundamentals** — issued April 2023

**AWS Certified Cloud Practitioner** — issued July 2022 — Expires July 2025

**MTA Software Development Fundamentals** — issued June 2016 - Expired

## EDUCATION

**Arcadia University** — B.S. Data Science & B.S. Computer Science

2021-2025

Current GPA: 3.98 - Dean's Distinguished

- Competitor in ICPC & CCSC programming competitions
- Student panelist for faculty Data Privacy workshop

**La Salle College High School** — High School Diploma

2017-2021

GPA: 4.20 - Four-time honors recipient

- Member of programming team for FTC and FRC 2017-2021
- STEAM Event Night Organizer Fall 2020

## EXPERIENCE

### Data Engineer Intern

*Optum*

June '23 – Present, Remote

- Utilize Azure Databricks, Apache Spark, internal Spark framework, and SQL to create ETL scripts.
- Worked with Data Architects to populate dimension and fact tables for two dashboards.
- Attend daily scrum meetings.
- Guide coworkers through assigned projects.

### Website Support Intern

*Arcadia University*

April '23 – May '23, Glenside, PA

- Improved SEO for ~350 pages on Arcadia.edu by adding meta descriptions and focus keyphrases.
- Decreased image file sizes below 1 MB to improve site loading time.

### LRN Basic Tutor

*Arcadia University*

August '22 – May '23, Glenside, PA

- Peer mentor for Freshman at Arcadia University for several introductory computer science courses.

### Advanced IT Assistant / Student Worker Supervisor

*Arcadia University*

August '22 – May '23, Glenside, PA

- Helped resolve IT needs across campus, including classroom technology.
- Train current and new Help Desk student workers with reimagining devices.
- Troubleshoot and fix computers, both software and hardware.
- Update/install any required software based on user-specific and department needs.
- Assisted with A/V needs for events.
- Developed a Slack bot for use by student workers.

### Information Technology Intern

*Arcadia University*

May '22 – August '22, Glenside, PA

- Answered ~250 tickets through Zendesk regarding account, software, and hardware-related questions.
- Upgraded software on computers across campus.
- Re-imaged ~75 laptops and desktops.
- Recorded inventory of hardware across campus.

### IT Assistant

*Arcadia University*

October '21 – May '22, Glenside, PA

- Answered ~100 tickets through Zendesk regarding password resets and various software-related questions.

## PROJECTS

### Availy

- Slack Bolt API bot developed using JavaScript for Arcadia University IT Help Desk student workers to request off and cover others' shifts.

More projects can be found on my website.

## REFERENCES

Vitaly Ford - Associate Professor, Computer Science and Mathematics  
fordv@arcadia.edu

Yanxia Jia - Associate Professor, Computer Science and Mathematics  
jiay@arcadia.edu