Brey Rivera

Pennsylvania, United States   breyr2021@gmail.com   (267) 640-5522   in/breyrivera   breyr.dev

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

CERTIFICATIONS

Apache Spark Developer Associate (Scala) — issued 07/23 – Expires 07/25
Azure Data Fundamentals — issued 04/23
AWS Certified Cloud Practitioner — issued 07/22 - Expires 07/25
MTA Software Development Fundamentals — issued 06/16 - Expired

SKILLS

Programming:	Python, Go, Java, SQL, Scala, JavaScript, PHP
Markup:	HTML, CSS, Bootstrap, Tailwind CSS, LaTeX
Tools/Technologies:	Redis, Docker, AWS (S3, EC2, Lambda, DynamoDB, API Gateway), Azure (ADLSg2), jQuery, AJAX, Apache Spark, Databricks, GitHub, Git, Cloudflare, Confluence, WordPress, Weka, Jupyter Notebooks

EXPERIENCE

Advanced IT Assistant / Student Worker Supervisor
Arcadia University   August '22 – Present
- Addressed campus-wide IT issues, including classroom technology support.
- Trained and mentored Help Desk student workers in device management.
- Installed and updated software tailored to user and department requirements.
- Provided A/V support for events.
- Created a Slack bot for student work efficiency.

Data Engineer Intern
Optum   June '23 – Aug '23
- Utilized Azure Databricks, Apache Spark, and Scala to create ETL scripts for star schema table population.
- Led intern onboarding for the ETL team and oversaw intern-led ETL projects.
- Attended daily scrum meetings for three distinct projects.

Website Support Intern
Arcadia University   April '23 – May '23
- 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
- Peer mentor for Freshmen at Arcadia University for several introductory computer science courses.

Information Technology Intern
Arcadia University   May '22 – August '22
- Answered ~250 tickets through Zendesk regarding account, software, and hardware-related questions.
- Re-imaged ~75 laptops and desktops.
- Recorded inventory of hardware across campus.

IT Assistant
Arcadia University   October '21 – May '22
- Answered ~100 tickets through Zendesk regarding password resets and various software-related questions.

Projects and references on next page

Projects

DPanel – *Lightweight Docker Management Platform* *(April '24)*

DPanel is a lightweight Docker management interface where you can orchestrate containers, images, and compose files easily with a self or remotely hosted agent. Built with FastAPI for the backend API and frontend serving, Redis powering its efficient publish/subscribe model, and Go to ensure high-performance execution. Tested, deployed, and made available on a UCS with a multi-container environment via Cloudflare Zero-Trust Access.

Jobtrackr v2.0 – *Minimal Job Application Tracker* *(December '23)*

Jobtracker v2.0 is a significant upgrade over my original Job Application Tracker developed with Flask. Utilizing Next.js, Auth.js, NextUI, and Xata, this version offers enhanced functionality, allowing users to efficiently manage their job applications. Features include application stage tracking, filtering, and search capabilities, as well as individual application counters per stage.

IdioSplash – *Open-Source Meraki IPSK Solution for Wireless Networks* *(October '23)*

Open-source solution enabling enterprises to use Cisco Meraki's Identity PSK & WPN capabilities for wireless authentication and network segmentation on a per-user level. Utilizes Cloudflare, AWS Lambda, API Gateway, SES, and DynamoDB.

Availy.v2 – *Student Worker Shift Manager* *(September '23)*

Slack bot developed using a TypeScript package, and hosted on Cloudflare, currently in use by the Arcadia University IT Help Desk student workers to request off and cover others' shifts.

stockWYSE – *Stock Watchlist with News Articles* *(March '23)*

A Flask web app that allows users to create a watchlist of tickers and get up-to-date news for each company. Created with Firebase for authentication and Finnhub.io for stock information.

More projects can be found on my website.

Professional References

Vitaly Ford – Associate Professor, Arcadia University
fordv@arcadia.edu

Yanxia Jia – Associate Professor, Arcadia University
jiay@arcadia.edu

Baiju Savithri – Director Engineering, Optum
gsbaiju@gmail.com

Kumar Vaibhav – Lead Engineer, Optum
vaibhavpanghal@gmail.com