Adelyn Flowers

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EDUCATION

California State University - Sacramento — Sacramento, CA
MA Economics (with distinction) — Aug 2020 - May 2022

Brigham Young University - Idaho — Rexburg, ID
BS Software Engineering — Sep 2016 - Dec 2019

EMPLOYMENT

Xperi TiVo — Durham, NC
Sr. Data Analyst: SQL, Spark, CI/CD, Dashboarding, AWS — Sep 2022 - Present

- Executed end-to-end management of analytics projects, managing infrastructure as needed
- Defined and standardized ETL practices for internal analytics, increasing efficiency and reproducibility while minimizing costs
- Conducted large-scale ad-hoc analyses using Spark and SQL to create actionable metrics about risk and opportunity
- Communicate analysis and recommendations to management and stakeholders in traditional and interactive formats
- Created new internal tooling and trained employees on its use to automate and standardize data practices

California State University - Sacramento — Sacramento, CA
Research Assistant: C++, SQL, Python, R — Aug 2020 - Sep 2022

- Designed and implemented cellular automata model of disease spread amongst California citrus growers using C++
- Leveraged python to conduct causal analysis and apply machine learning using large datasets to generate insights about complex interdependence amongst many key variables
- Delivered data-driven recommendations in simple language to drive policy and help growers maximize profits

Blue Shield of California — Folsom, CA
Systems Analyst: SQL, Jira, Visio, Excel — Sep 2020 - May 2021

- Defined and delivered solutions that met business objectives and served as a facilitator between the business and IT teams
- Assisted in creating, refining, and maintaining user stories and associated deliverables such as process flows and test cases
- Created and maintained product documentation to solution the most complex business needs

Raptor IT Consultants — Sacramento, CA
Software Engineer: C#, VBA, Javascript — Jan 2020 - April 2020

- Maintained and optimized existing business software applications written in C#, Javasvript, and VBA
- Consulted commercial customers on the pricing, timeline, and functionality of their proposed software projects
- Worked directly with existing customers to design future software enhancements and determine project direction

Quandary Escape Rooms — Roseville, CA
Software Engineer: C#, C++ — Jan 2017 - Jan 2020

- Created, maintained, and updated employee facing software using C#
- Authored and edited cost estimates, software requirements, and software design documents
- Implemented puzzle designs in C++ on microcomputers that formed the core customer experience

Quandary Escape Rooms — Roseville, CA
Software Engineering Intern: C#, C++ — June 2016 - December 2016

- Created a new software suite for employees in C# that doubled productivity
- Performed updates and maintenance on existing embedded software written in C++
- Managed and maintained hardware components