

# ADELYN FLOWERS

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## EMPLOYMENT

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### **Xperi TiVo**

*Software Engineer: Python, Spark, Flask, Airflow, AWS*

Durham, NC  
Sep 2022 - Present

- Sped up average analytics project completion time by managing all infrastructure, ETL, development, and deployment needs for the data science team
- Increased product performance by 28% across customers by monitoring data and automatically detecting performance issues and improvement opportunities
- Reduced ticket response time by creating software that aggregated and simplified internal API usage for customer-facing team
- Improved internal data quality by automating sanitation of manually entered data and detecting anomalies
- Boosted data scientist productivity by creating internal packages and tooling that streamlined their interactions with AWS EMR and Spark
- Cut analytics BI costs 90% by standing up and managing open source dashboarding software on existing EC2 instances

### **California State University - Sacramento**

*Research Assistant: C++, Python, Javascript*

Sacramento, CA  
Aug 2020 - Sep 2022

- Designed and implemented a programmatic model of citrus disease to determine optimal human intervention efforts for minimizing disease spread
- Disseminated policy recommendations by creating web applications that allowed farmers to project their earnings under different interventions
- Authored a research paper which spawned further works and a research group
- Reduced distributed computing overhead for teammates by writing software to manage and submit jobs to clusters

### **Blue Shield of California**

*Systems Engineer: SQL, Python*

Folsom, CA  
Aug 2020 - May 2021

- Met with stakeholders to translate business requirements into technical solutions and roadmaps
- Created, refined, and maintained user stories and associated deliverables such as process flows and test cases
- Reduced project planning overhead by bringing technical expertise to requirements discussions

### **Raptor IT Consultants**

*Software Engineer: C#, Javascript*

Sacramento, CA  
Jan 2020 - April 2020

- Juggled maintaining and improving multiple web applications across the entire customer portfolio
- Consulted commercial customers on the pricing, timeline, and functionality of their proposed software projects

### **Quandary Escape Rooms**

*Software Engineer: C#, C++*

Roseville, CA  
June 2016 - Jan 2020

- Wrote microcontroller software and desktop applications that served as the core of the escape room experience
- Increased employee productivity by 33% by creating game management software that allowed employees to monitor multiple games simultaneously

## EDUCATION

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### **California State University - Sacramento**

MA Economics (with distinction)

Sacramento, CA  
Aug 2020 - May 2022

### **Brigham Young University - Idaho**

BS Software Engineering

Rexburg, ID  
Sep 2016 - Dec 2019