

# Dulce Perez Angeles

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## EDUCATION

### University of Alabama at Birmingham | Honors College

Expected Graduation: May 2025

- Bachelor of Science in Computer Science
- Bachelor of Science in Economics with a Minor in Mathematics
- Masters in Business Administration

GPA: 3.83/4.00

Beginning Jan. 2025

## ACADEMIC & PERSONAL PROJECTS

### ImmunoHeroes | Godot, C#/C++, Git, Azure DevOps

- Developing engaging game mechanics to promote efficient understanding of immunological concepts
- Facilitating in agile development as Scrum Master, coordinating team sprints to meet project milestones

## INTERNSHIP PROJECTS

### Automated Testing Framework | Google BigQuery (GBQ), BigQuery API, Pandas

- Developed a framework to ingest queries, execute against GBQ, and push data frames to GBQ tables
- Created a program that takes in query templates and concatenate parameters from JSON Metadata objects, alleviating the end-user's need to recreate duplicate structures of queries

### SQL Program Reporting Database | SQL Server Integration Services (SSIS), SQL Server Management Studio (SSMS)

- Performed ETL processes to SQL server with spreadsheet data using SSIS
- Scripted customized views within SSMS for integration on PowerBI
- Implemented and redesigned a schema diagram for the relational database

### Big Data Processing | Microsoft Azure, Databricks, PySpark

- Reviewed previous code to revamp process for end-use meter data aggregation, improving quality metrics

## RELEVANT EXPERIENCE

### FIRST HORIZON, Model Risk Management Intern

Sep. 2024 - Nov. 2024

- Expanding knowledge of linear regression, logistic regression, and machine learning models and their applications in the financial industry
- Collaborating with senior analysts to apply basic data science techniques in the analysis and development of models
- Assisting in maintaining an inventory of models used in Treasury, Credit, Money Laundering, and Fraud departments

### MOTION (GPC), Business Intelligence Developer Intern

May 2024 - August 2024

- Developed a framework, centralizing test case execution and enabling scheduling, to track and report on data quality
- Designed a Power Query script from Azure DevOps Board data to create a PowerBI Dependency Board visual
- Participated in stand-ups and attended refinement, iteration planning and team meetings with Scrum Masters

### TENNESSEE VALLEY AUTHORITY (TVA), Data Science Intern

Jan. 2023 - Dec. 2023

- Collaboratively led data engineering tasks, analytics, visualizations, and coding for project support
- Attended conferences and departmental meetings to network and expand industry knowledge
- Conducted evaluation, measurement and verification of the end-use programs that guide energy-efficiency strategies

## LEADERSHIP & INVOLVEMENT

### UAB'S SPANISH AND LATINO STUDENT ASSOCIATION, Vice President

April 2023 - April 2024

- Advised the Dia de los Muertos Committee, overseeing the event planning and outreach strategies
- Foster relationships with 5+ local businesses for sponsorships and event participation opportunities
- Engage in executive board meetings, ensuring effective communication and delegation of responsibilities

## TECHNICAL SKILLS

**Languages:** Python, Java, C, SQL, R, C#/C++

**Developer Tools:** Git/Github, VS Code, Visual Studio, PowerBI, IntelliJ, RStudio, Stata, Godot

**Technologies:** Azure, Google BigQuery, Databricks, SSIS, MS SSMS, AWS