

FABIAN AGUILAR GOMEZ

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WORK EXPERIENCE

First Community Credit Union

May 2021 - Present

Data Analyst

Houston, TX

- Develop full-stack applications with JavaScript, React, Django, Flask, Python, and SQL to replace excel worksheets increasing cooperation between departments by over 75%.
- Migrate existent REST APIs to GraphQL, reducing latency across data retrieval, entry, and multiple requests to applications.
- Automated manual processes and reports by creating stored procedures using SQL and Python scripts saving the company over 20+ hours/week.
- Deployed workflow applications using C#, ASP.NET Core, and SQL to aid departments cooperate in shared processes decreasing service tickets by 100 daily tickets.
- Created and set up REST APIs using ASP.NET, Django, and Node.js allowing multiple programs and processes to communicate.
- Architect and implement data pipelines following ETL using Python normalizing future and new data from diverse sources.

University of Texas

September 2019 - June 2021

Computer Science Tutor

San Antonio, TX

- Aided over 500+ students with issues involving Linux, Windows, software tools, and programming assignments in Python, Java, C, Unix Shells, and LISP.
- Influenced student success in rigorous courses such as Data Structures by presenting feedback and alternative methods in over 20 programming assignments and 3 projects.
- Learned semester's-worth software/language for on average 4 courses on a shortened time frame of 2 months in order to mentor students.

Mathematics Tutor

September 2018 - September 2019

- Communicated & assisted over 100+ engineering, business, and science students in their math courses by maintaining a working knowledge of on average 4 college level math courses.
- Facilitated ongoing math lectures by assisting the professor with administrative duties.

SIDE PROJECT

Generating Anime - Python, TensorFlow, OpenCV, NumPy

January 2021 - May 2021

- Engineered a deep model that generates 64x64 RGB anime faces from a 100x1 grayscale noise vector.

SKILLS

Languages: Python, JavaScript, PHP, Golang, SQL, HTML, CSS, Java, C, C++, C#, LISP

Database: MySQL, MongoDB, DynamoDB, PostgreSQL, Microsoft SQL Server

Techonologies: Git, GraphQL, AWS, Azure, API Development, ASP.NET, Web Services, Open/Closed Stack, Full-Stack Development, ES6, CI/CD, React, NodeJS, Django, Flask

EDUCATION

University of Texas at Austin

August 2021 - May 2023

Master of Science in Computer Science - 4.0 GPA

University of Texas at San Antonio

August 2017 - May 2021

Bachelor of Science in Computer Science - 3.90 GPA

Data Science Concentration