

# FABIAN AGUILAR GOMEZ

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## WORK EXPERIENCE

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- 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 cooperationg 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

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- 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

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**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

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- 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