Fabian Aguilar Gomez

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Education

University of Texas at Austin	**Austin, TX**
M.S. Computer Science - GPA 3.50	*Aug. 2021 – May 2023*

University of Texas at San Antonio	**San Antonio, TX**
B.S. Computer Science, Data Science Concentration - GPA 3.90	*Aug. 2017 – May 2021*

Experience

Intel Corporation	**Folsom, CA**
Graphics Software Engineer Intern	*Aug. 2021 – Present*

- Test machine learning models and solutions by creating unit tests using PyTest and Python to ensure quality and robustness of models.
- Expand machine learning data collection, generation, and regressions by adding features and optimizing codebase using Python & Perl allowing for filtering of data and cleanliness.
- Develop data pipelines and ingestion tools for databases and data reporting tools such as Splunk and MySQL using Python and APIs from SDKs.
- Create visualizations and data models using Splunk and Power Bi to aid executives with decision making.

First Community Credit Union	**Houston, TX**
Data Analyst	*May 2021 – Aug. 2021*

- Automated loan information processing by creating scripts using Python and SQL procedures saving the company on average 15+ weekly hours.
- Assembled web applications to aid multiple departments retrieve/insert data into the data warehouse with JavaScript, APIs, and SQL increasing data entry accuracy by 80%.
- Designed database schemas and implementation in the data warehouse speeding up SQL queries and data retrieval.
- Created data pipelines to automate ETL processes for files such as XML and csv using Python scripts and SQL resulting in cleaner data entry into designated databases in the data warehouse.

University of Texas	**San Antonio, TX**
Computer Science Tutor	*Sep. 2019 – May 2021*

- Aided over 100+ 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.

Mathematics Tutor	*Sep.2018 - Sep. 2019*

- Communicated & assisted over 100+ engineering, business, and science students per semester in their math courses by maintaining a working knowledge of on average 4 college level math courses.
- Helped students select future coursework in STEM related degrees resulting in a decrease in impostor syndrome and increase in confidence in students.

Skills

Languages: Python, Perl, C/C++/C#, Java, JavaScript, PHP, LaTeX, HTML/CSS, LISP
Database: SQL, Oracle, Procedure Language, MongoDB
Web Stack: ReactJS, Django, Material UI, Bootstrap, GraphQL, Sass
Big Data: Splunk, Spark, Anaconda, OpenCV, Pytorch, NumPy, Scikit-learn, Tensorflow, Pandas
Cloud: AWS, Docker, Heroku
Methodologies: JIRA, AGILE, Scrum, OOP, CI/CD