

JONATAN RODRIGUEZ

3403 S Briar Knoll Dr, Houston, TX 77082 | P: (832) 443-7009 | jrodriguez0721@cloud.com | | [LinkedIn](#) | [Github](#) | JonatanRodriguez.com

PROFESSIONAL SUMMARY

Computer Science student with an Associate of Science and currently pursuing a Bachelor of Engineering at the University of Houston. Foundational knowledge in Software Engineering, Operating Systems, and Artificial Intelligence. Bilingual professional (English/Spanish) with strong analytical and technical problem-solving skills; seeking an Entry Level Software Developer position.

EDUCATION

UNIVERSITY OF HOUSTON

Bachelor of Engineering

Major in Computer Science

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Houston, TX

Expected May 2026

HOUSTON COMMUNITY COLLEGE

Associates of Engineering

Major in Computer Science

Cumulative GPA: 3.762/4.0; Dean's List 2023-2024

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Houston, TX

Aug 2022 - May 2024

PROJECTS

Amazon Opinion Search Engine | Python, SBERT, NLP |

2025

- Developed a targeted search engine for a dataset of 210,000+ Amazon reviews to extract and link product features with specific user opinions.
- Engineered three retrieval methodologies, utilizing Boolean logic, lexicon-based rating filters, and SBERT semantic similarity.
- Optimized data preprocessing by automating text normalization and numeric rating conversion to ensure accurate sentiment polarity filtering.
- Evaluated system performance through precision and retrieval metrics, comparing the effectiveness of keyword matching against semantic search

Diabetes Risk Predictive Modeling | Python, TensorFlow, AI/ML, Data Science |

2026

- Engineered a Python pipeline to process 400k+ CDC health records, optimizing data cleaning and feature selection across 21 variables.
- Developed a predictive system using pattern recognition to identify complex relationships within large-scale behavioral and health data.
- Implemented unit testing and debugging protocols to ensure software reliability and system integrity for data-driven assessments.

WORK EXPERIENCE

ELECTRICIAN

Electrical Apprentice

● Assisted my dad, a licensed electrician, in installing and repairing electrical systems in homes and businesses.

● Developed strong attention to detail, problem-solving skills, and the ability to work efficiently under time constraints.

● Gained experience following safety protocols and maintaining an organized workspace

● Effectively communicated with team members and management, ensuring tasks were completed on time and to high standards.

Houston, TX

June 2021 - August 2024

TECHNICAL SKILLS

- Languages: Python (Advanced), JavaScript, C++, SQL, HTML/CSS.
- Data / ML : NLP, SBERT, Decision Trees, Sentiment Analysis, Scikit-learn.
- Tools: Git, VS Code, Jupyter, Pickle, Microsoft Office.
- Soft Skills: Technical Troubleshooting, Bilingual (English/Spanish), Teamwork.