Miguel Garcia

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Objective

An aspiring Senior computer scientist interested in Software Development and motivated to always learn new frameworks and innovative solutions

Education

Texas A&M University College Station, TX

Bachelor of Science in Computer Science *Expected May 2024*

- GPA: 3.70/4.00
- Distinguished Student Award (Spring 2022)
- Distinguished Student Award (Spring 2023)

Experience

Software Engineer Intern at Goldman Sachs June 2023 – August 2023

Goldman Sachs *Richardson, TX*

- Oversaw deployments and maintained internal infrastructure as part of a DevOps/Runtime Engineering team.
- Developed and implemented a centralized dashboard to provide a comprehensive view of system performance, deployment status, and key metrics.
- Implemented best practices and automation strategies, reducing downtime and improving system reliability while fostering a collaborative and growth-oriented work environment.

Undergraduate Peer Teacher August 2022 – Present

Texas A&M University Department of Computer Science *College Station, TX*

- Supported students in implementing introductory level data structures and algorithms
- Successfully debugged complex code snippets on a per-student basis
- Held weekly office hours to improve student understanding further

Undergraduate Teaching Assistant August 2021 – May 2022

Texas A&M University College of Engineering *College Station, TX*

- Taught and guided a general engineering first-year class focused on the basics of Python and physics
- Easily conceptualized ideas for those learning the material for the first time

Projects

Predictive Medical Model | *Python, Panda, Pytorch* April 2023

- Optimized data for machine learning models, utilizing advanced techniques to ensure high data quality.
- Evaluated multiple predictive models, employing rigorous methodologies to select the most accurate model
- Fine-tuned model hyperparameters and utilized statistical analysis in order to ensure high accuracy.

KANM Student Radio Website | *Javascript, React.JS* May 2022 - Present

- Coordinated with a team of 10 to develop a working UI for the A&M student radio club website utilizing React JS
- Developed working front-end components with Figma to envision user interface design

CPU Simulator | *Logisim, C* May 2022

- Led a team of 4 to develop a functioning simulator of an x86 CPU
- Successfully converted machine level instructions into C functions and expressions
- Devised each simulated step of a processor from the Fetch stage up to the Program Counter stage

Invoice OCR | *Python, Google Cloud* January 2022

- Collaborated with a team of 4 during TAMUHack 2022 to create a text recognition app
- Leveraged Google Cloud Vision AI to parse receipt invoices into comma-separated-values files using Python

Technical Skills

Languages: Java, Python, C/C++, Logisim, Haskell, HTML/CSS, Javascript, Typescript
Tools & Frameworks: Firebase,Tensorflow,Git, PyCharm, NumPy, Jupyter Notebook, Linux , Flask, Bootstrap,React.JS, Azure DevOps, GitLab