ALEC IBARRA
UNIVERSITY STUDENT

CONTACT

Phone
(972) 589-8097
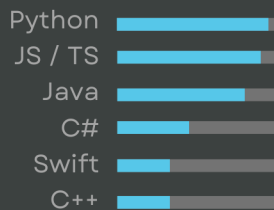
Location
Plano, TX

Email
hello@adibarra.com

GitHub
github.com/adibarra

Website
adibarra.com

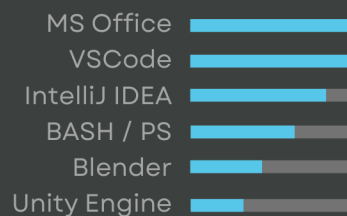## EDUCATION

2025 (Expected)
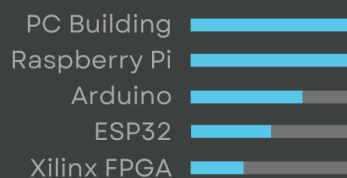**B.S. Computer Science**
Texas A&M Univ/UT Dallas Univ

PROGRAMMING

- Python
- JS / TS
- Java
- C#
- Swift
- C++

SOFTWARE

- MS Office
- VSCode
- IntelliJ IDEA
- BASH / PS
- Blender
- Unity Engine

HARDWARE

- PC Building
- Raspberry Pi
- Arduino
- ESP32
- Xilinx FPGA

LANGUAGES

- English
- Spanish

REFERENCES UPON REQUEST

ABOUT ME

I am a detail-oriented college student with an aptitude for learning, leadership, and teamwork with a drive for solving complex problems. I am currently seeking a position focused on software, electrical, or computer engineering.

LEADERSHIP

Team Co-Lead   **2019 - 2021**
Tidal TAMU Special Projects Team   College Station, TX

- Tidal TAMU performs research into machine learning at a graduate/undergraduate level.
- Worked on building an ML model to judge a storm's severity from limited data, such as lightning strikes.

WORK EXPERIENCE

Systems Engineering Intern   **Summers 2019, 2021-22**
Filtros y Aceites S.A. de C.V.   Tampico, Mexico

- Performed hardware and software troubleshooting on a variety of equipment for a mid-size corporation.
- Contributed to building an in-house inventory management system.

HP Virtual Internship   **Summer 2020**
HP Inc.   Plano, TX

- Collaborated with peers from different backgrounds to solve assigned business team challenges.
- Mentored by industry professionals in a variety of tech industry disciplines.

PERSONAL PROJECTS CLICK TO VIEW ON GITHUB

Grade Distribution Analysis Website   **2022 - Present**

- Built a system to scrape, parse, and process data about courses from A&M's Registrar's Office.
- Reliably handles requests generated by over 3k unique users per month with minimal latency.
- Built using: JS, Python, HTML, CSS, MySQL, Cloudflare

XO Market Trading Bot   **2021**

- Built a bot that autonomously buys/sells materials in a game via a fully player-driven commodities market.
- Leveraged machine vision to parse market data and calculate optimal prices based on the current market.
- Built using: Python, OpenCV, Tesseract OCR

CLICK FOR MORE DETAILS