

BRANDON E RAMIREZ

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TECHNICAL SKILLS/TECHNOLOGIES

Languages: Java, C#, Python, HTML5, CSS3, & JavaScript(JSON). Experience with C++, SQL, & MASM x86
Development Tools: IntelliJ, PyCharm, VS/Code, MySQL Workbench, Node.js, Unity, Blender®, & Monday.com
Frameworks/Platforms: ASP.NET Core, Arduino Uno R3
Libraries/Testing: React.js, P5.js, Junit, Jest, npm
Hard Skills: Git, Bash, Vim, Emmet, SSH, Jupyter Notebooks, LaTeX
Certifications: AutoCAD® Certified, Autodesk® Inventor Certified
Operating Systems: Debian© based distributions (Linux Mint, Raspberry Pi), Windows 7/10
Additional Skills: Spanish (Native), R/RStudio, MATLAB, Wireshark

EDUCATION

Bachelor of Science - Computer Science
University of Houston-Clear Lake; Houston, TX

Expected Graduation Date: December 2023

Relevant coursework: Computer Organization & Assembly Language, Advanced Data Structures & Algorithms, Web Application Development, Programming Language Concepts, Machine Learning, Enterprise Java & Frameworks, & Design of Database Systems.

RELEVANT PROJECTS

- **IEEE 754 Floating Point Calculator (Final Project)** | (<https://tinyurl.com/mrma7yxu>) Fall 2022
Multi-number system floating-point calculator with .NET Core Forms app for software engineering class (SWEN 4342). Was responsible for programming, researching, prototyping, & testing. Used Waterfall methodology and held meetings with instructor.
Tech stack: .NET Core, C#, & Monday.com

PROFESSIONAL EXPERIENCE

Website Administrator/Developer July 2022 - August 2022
CoPilot - College Forward; Salesforce application, Remote work
Summer internship with CoPilot, Responsibilities included:

- Renovated and added functionality to: <https://collegeforward.org/copilot/> using WordPress & Elementor
- Created and modified HTML & CSS code to comply with company style/requirements
- Implemented internal training platform content for future employees

IT Administrator Intern June 2021 - August 2021
Moody Gardens; Galveston, TX
Summer internship at Moody Gardens as IT administrator. Responsibilities included:

- Restored functionality to old computers via updating software and replacing hardware components
- Managed multifunction/ticketing printer repairs
- Troubleshoot internet issues using CLI and monitoring system processes

PROFESSIONAL DEVELOPMENT/AFFILIATIONS

Awards: Fall 2021 Stem Challenge, 2nd Place (Arduino© Programming)

University of Houston - Clear Lake Organizations:

- Association for Computing Machinery (ACM) May 2022 - Present
- Institute of Electrical and Electronics Engineers (IEEE) Feb 2023 - Present
- Pathways to STEM Careers January 2021 - Present
- VEX Robotics Club September 2021 - January 2022

Interests: weightlifting, metal/blues guitar, digital art, GNU/Linux, Japanese/NT Greek.