

# BRANDON E RAMIREZ

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## TECHNICAL SKILLS/TECHNOLOGIES

**Languages:** Java, C#, Python, HTML5, CSS3, & JavaScript. Experience with C++, SQL, & MASM x86

**Development Tools:** JetBrains IDEs, 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, i3wm, Emmet, SSH, Jupyter Notebooks, LaTeX, Markdown

**Certifications:** AutoCAD® Certified, Autodesk® Inventor Certified

**Operating Systems:** Debian® based distributions (Linux Mint, Raspberry Pi), Windows 7/10

**Additional Skills:** Spanish (Native), R/RStudio

## EDUCATION

### Bachelor of Science – Computer Science

University of Houston-Clear Lake; Houston, TX

Expected Graduation Date: December 2023

### Associates of Science – General Studies

Galveston College; Galveston, TX

May 2021

### Ball High School | Galveston, TX | AP STEM | 3.67 GPA, Graduated with Honors

May 2019

**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

### Code Sensei

Code Ninjas - League City, TX

March 2023 - Present

- Learned & taught Code Ninjas® curriculum, taught basic skills in coding, engineering, & game development
- Responsible for facilitating/leading workshops in applied computing, advanced game development, and robotics
- Catered to needs of different students and fostered problem solving, logic, & STEM skills

### Website Administrator/Developer

CoPilot - College Forward; Salesforce application

July 2022 - August 2022

- 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

Moody Gardens - Galveston, TX

June 2021 - August 2021

- 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)
- Institute of Electrical and Electronics Engineers (IEEE)
- Pathways to STEM Careers
- VEX Robotics Club

May 2022 - Present

Feb 2023 - Present

January 2021 - Present

September 2021 - January 2022

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