

ANDRÉS BARRERA

SOFTWARE ENGINEER

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EDUCATION

BSE in Computer Engineering
Purdue University | 2022

FEATURED

CERTIFICATIONS

Udemy Next.js & React - The Complete Guide

MongoDB Python Development

AWS Technical Essentials Certification

Udemy Golang Course Certification

LANGUAGES

C & C++, Python, JavaScript, HTML & CSS, Golang, PHP, Java, Assembly, Verilog, MATLAB

TOOLS

Git, Node.js, React, Next.js, Amazon Web Services (AWS), TailwindCSS, MongoDB, Prometheus, Grafana, Selenium, Chrome Extensions, RTI DDS, VBA, NoSQL, JSON & API Development, Docker, Wix, Figma, Photoshop, and many more!

See my [Manifesto](#) for more information.

WORK EXPERIENCE

May 2023 - Current

President | Software Engineer

Hispanic Hackers | Austin, TX, USA

Leading and designing content for a non-profit dedicated to elevating the Latino tech community. Read the [Case Study](#).

Skills: Leadership, Next.js, React, TailwindCSS, Figma, HTML, CSS, JavaScript, Adobe Photoshop

June 2022 - July 2023

Software Engineer

Fathom5 | Austin, TX, USA

Defense Software Modernization: Modernizing the US Navy's tactical weapons system. Read the [Case Study](#).

EV Systems Architecture: Designing R&D circuits and firmware for the next generation of electric vehicles. Read the [Case Study](#).

Skills: C++, Python, Node.js, JavaScript, Docker, Prometheus, Grafana, RTI DDS, GitHub, Linux, Draw.io, KiCAD, Beagle Board, Arduino, Linux, Texas Instruments, Nordic, Solidworks, Draw.io, Adafruit, GitHub

August 2021 - December 2022

Frontend Engineer

Alpen Aerial | Colorado Springs, TX, USA (Remote)

Building website and brand content for a startup which takes drone footage to new heights. Read the [Case Study](#).

Skills: HTML, CSS, JavaScript, jQuery, Python, Wix, Adobe Photoshop, Final Cut Pro

FEATURED SIDE PROJECT

October 2022 - Current

ArachNode

Developing and training an AI model to find information on the web with high metric performance. Read the [Case Study](#).

Skills: Python, JavaScript, HTML, CSS, TensorFlow, Chrome Extensions, Selenium, AWS, AWS IAM, AWS S3, AWS API Gateway, AWS Lambda, Draw.io

See my [Portfolio](#) for more information.