# ZEU CAPUA
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## EXPERIENCE

### Frontend Web Developer (Volunteer), Progressive Victory (July 2022 - Present)

- Designated as SME (Subject Matter Expert) for the MVP (Minimum Viable Product) for the organization's website, implementing user interface designs to showcase information about volunteer efforts and candidates' campaigns throughout the US.
- Developing with web technologies such as React, Next.js framework, Storybook unit testing, Github version control, Airtable API integration while working with a software engineering team that coordinates with staff and other volunteer teams

### Teacher, South Pasadena Educational Foundation (June 2021 – July 2022)

- Summer school classes taught based on the subjects below with an average of 20 students each who are in elementary and middle school ranging from 1st to 8th grade both in person and online through Zoom.
- **Build and Code Your Own Computer**: Using Piper Kits, created and implemented a curriculum that teaches students to build a computer themselves, wiring components like buttons and lights on breadboards to the Raspberry Pi's GPIO pins, and coding them to make interactive electronic circuits.
- **Coding**: Using Scratch, students learn the basic fundamentals of coding such as variables and control flow to create multiple projects and games that they can customize
- **Minecraft Architecture**: Using Minecraft Education Edition, students learn about different architectural styles throughout history, like medieval, modern, and Greek styles, to build structures in groups that they present to show the staples of said styles that was implemented

### Coding Coach, theCoderSchool Pasadena (August 2021 – June 2022)

- **Coaching**: Taught students, either in a 1 to 1 or small class setting, coding fundamentals in various languages (Python, Scratch, etc.) with curated lessons to suit their strengths and interests.
- **Curriculum Developer**: Created lesson plans based around robotics (mBot Neo, Raspberry Pi, etc.) and game development (Minecraft, Roblox, etc.) for in-person programs and camps to be hosted.
- **After School Teacher**: Supervised and taught elementary and middle school students coding fundamentals in Python in an in-person small class setting weekly at the private Wesley School in Los Angeles.

### Private Teacher, IvyPrep (December 2020 – February 2022)

- Designed and taught curriculum based on Python to teach students ranging from middle school to high school in a 3:1 setting online through Zoom about the fundamentals to prepare them for coding competitions and project presentations.
- **Congressional App Challenge**: Supervised and coached a high school coding team of 3 on creating a Python based application called *Medicall*, submitted on October 2021, which was picked a finalist for the CA-27 district.
- **Coding Competitions**: Coached and prepared a high school coding team of 3 for the American Computer Science League and USA Computing Olympiad competitions.

### Code Sensei, Code Ninjas San Marino (November 2020 – April 2021)

- Supervised and coached 10-15 students learning coding fundamentals through a self-taught curriculum, with either Javascript or Scratch as the language based on their age, as well as complementary programs like CodeSpark and CodeCombat.
- Managed equipment for student and staff safety as per COVID requirements in person.