

Venz Burgos

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Summary

Highly motivated Electrical Engineering student (depth in computer system designs) with solid leadership, listening, and communication skills actively seeking Full-Time internships consisting of hardware analysis and programming. I am currently working on getting FE certification to become a Professional licensed engineer.

Highlights

- Software (EAGLECAD, KiCAD, VSCODE, AUTOCAD, Quartus/Modelsim)
- Basic Programming (JavaScript, Python, HTML, CSS, Node.js, MySQL, MATLAB)
- Building Circuits, Circuit Analysis, PCB Design, Multimeters, Wave generators, Oscilloscopes, breadboards
- Understanding of lab environments and how to work with instruments

Education

University of California, San Diego | Jacobs School of Engineering

La Jolla, CA

Bachelor of Electrical Engineering

Sept. 20 2020 - Present

- **Relevant Coursework:** Calculus, Physics, Engineering Computation, Intro to Digital Design, Intro to Analog Design, Circuits and Systems, Physics Mechanics, Physics Electricity and Magnetism

Sweetwater Highschool

National City, CA

Highschool Diploma

July 2017 - June 2020

Udemy

Online

Working on Certification

Jan. 2022 - Present

- **Relevant Coursework:** Complete JavaScript Course, Python Programming Masterclass, Java Programming Masterclass, Building Websites with HTML and CSS, PCB Design with KiCad and Altium

Experience

Electrical Engineering Labs

San Diego, CA

Lab

- Testing components, measuring voltages/current, working with oscilloscopes, power supplies, multimeters, wave generators, and building circuits with resistors and capacitors. Building robots that sense light to follow trails

IEEE Quarterly Projects

San Diego, CA

Projects

- Design projects with a team of engineers, utilizing communication skills, starting from scratch, and spending 10+ hours a week over the course of 10 weeks.

Skills & Interests

Computer: Google Sheets (Basic), JavaScript (Beginner), C (Beginner)

Skills: CAD, EAGLE, VSCODE, 3D Printing, Soldering, Basic Coding, Building Computers, Oscilloscopes, Multimeters, Function Generators, Strong Mathematical Skills, Teamwork Abilities, MATLAB, Programming

Languages: English, Tagalog (Filipino)

Interests: Investing, Gym, Basketball, Coding, Learning New Fields of Work