

CARLOS MANUEL BELENO

Corvallis, Oregon

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EDUCATION

Oregon State University

06 2019 – 01 2022

Electrical Engineering and Computer Science - 3.7

Corvallis, Benton

COURSEWORK / SKILLS

- Differential & Integral Calculus
- Vector Calculus
- Differential Equations
- Microsoft Office
- Data Structures
- Circuit Design
- Physics with Calculus
- Electric Fundamentals
- Discrete Mathematics

PROJECTS

3D Printed Robotic Prosthesis | [Arduino](#)

10 2018

- Viability of 3D printed prosthesis. Use of variable resistance for sensor input. Linear actuator coordination for each prosthetic digit.

VGA Display Driver | [Altera – DE-10](#)

10 2021

- Design and development of VGA display driver to print static images. Implementation of variable backgrounds.

Random Dice Generator | [Altera – DE-10](#)

12 2021

- Development of a random dice generator via FPGA. The user holds button for one second to produce six random digits. The user can chose which digits are randomized

EXPERIENCE

Sun Yat-Sen Institute

04 2018 – 06 2019

Olympiad Tutor

Panama City, Panama

- **National Mathematics Olympiad.**
Tutor for Junior, Sophomore, and Freshman teams.
- **National Physics Olympiad.**
Tutor for Senior and Junior teams.
- **National Astronomy Olympiad.**
Tutor for Junior and Sophomore teams.

TECHNICAL SKILLS

Languages: Python, C, C++

Developer Tools: VS Code, MobaXTerm, PuTTY, Arduino

Technologies/Frameworks: Linux, GitHub

EXTRACURRICULAR

National Physics Olympiad

2017 – 2018

High School Junior Year

Panama City, Panama

- Silver medal.

National Astronomy Olympiad

2018

High School Senior Year

Panama City, Panama

- Gold medal.

Latin American Astronomy and Astrophysics Olympiad

2018

High School Senior Year

Ayolas, Paraguay

- Honorary mention.