

# MATEO ESTRADA

 mateoej12@gmail.com

## EDUCATION

**Oregon State University**  
Corvallis, OR • Graduated 06/2019

*Bachelor of Science:* Physics

*Thesis: "Contact Resistance: the return of the Cox and Strack method."*

**Oregon State University E-campus**  
Corvallis, OR • Pending 06/2021

*Bachelor of Science:* Computer Science

## SKILLS

- Programming: 4 years of academic experience in programming with Python and Wolfram Mathematica.
- Physics/research: critical thinking and problem solving in collaborative and group settings.
- Web development: one-year experience with developing dynamic websites from server-side to front-end with CSS, HTML, JavaScript, and Python
- Frameworks: Django, Express.js, and Bootstrap
- Source control: experience in Git, GitHub, CLI.
- For other programming languages and technical skills request Curriculum Vitae

## PROFESSIONAL SUMMARY

Post-Bacc student in Computer Science, seeking a software development position. Skilled in various programming languages and open source libraries for graphing and visualizing data. Currently interning at NASA Kennedy Space Center and seeking a future position in software development for robotics.

## WORK HISTORY

### **NASA - EPSCoR Intern**

*Kennedy Space Center, United States • 08/2020 - 12/2020*

- Project management: managing the construction of the NASA EPSCoR website for user-friendly interfacing, informative data availability of research papers, research grants and visually informative elements.
- Web Design: data extraction for an interactive map which contains grant info, research info, and dates of all the participating jurisdictions and states.
- Data Assemblage: collection of mass information in an excel spreadsheet format for ease of future mass use in constructing the EPSCoR website.

### **Dream STEM Initiative - Robotics Tutor**

*University of California Davis, United States • 08/2020 - 4/2021*

- Tutoring robotics: teaching students the fundamentals of Scratch.
- Programming basics: Scratch fundamentals via electronic forms, tutorials, and some showcasing.
- Making Videos: tutorial videos of what robots should do in learning exercises.

### **Self - Freelance Web Developer**

*Medford, United States • 09/2019 - 06/2020*

- Programming: Extensive knowledge of web development languages, frameworks, server technology, and databases.
- Client management: meeting with clients and working alongside them and their timelines to develop landing pages.
- Attention to detail: My clients all come from artistic backgrounds thus I always work on making sure that my designs meet their visual standards.

### **College Assistance Migrant Program - Academic Tutor**

*Corvallis, United States • 01/2017 - 06/2019*

- Established a professional tutoring relation with CAMP students to assist their successful completion of calculus I, and II, and Chemistry for engineering to maintain a 3.0 GPA to be in CAMP Honor Roll 3.25

**Quantum Energy and Sustainable Solar Technologies - Engineering Intern**

*Tempe, AZ • 05/2018 - 08/2018*

- Project management of research with the goal of developing a new method for measuring contact resistance of solar photovoltaics.
- Implementing technical descriptions and records of design, building, and testing of samples.
- Prepared data analysis and results for communication both orally and in paper for Principal Investigator and NSF Staff as well as for my undergraduate Physics Thesis.

**Astronomy Open House: OSU - Computational Physics Assistant**

*Corvallis, OR • 10/2017 - 01/2018*

- Computational astronomy with Python: troubleshooting a model of a binary system of blackholes using classical fictitious forces such as Coriolis effect, centripetal forces, and centrifugal forces, in an effort to model the collision of two blackholes of equal mass.

**Rogue Regional Hospital: ASANTE - IT Assistant**

*Medford, OR • 06/2014 - 01/2015*

- Installing, configuring, and troubleshooting computer hardware, software, network connectivity, printers and scanners.
- Assist users with questions of newly implemented OS.