

PABLO MANUEL REBOREDO-SEGOVIA

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EDUCATION

The University of Tennessee, Knoxville: Bachelor of Science in Mathematics May 2023

- *Coursework:* Multivariable Calculus, Partial Differential Equations, Abstract Algebra, Matrix Algebra, Real Analysis, Probability and Statistics, Numerical Algorithms, Models in Biology
- *Tools:* Matab, Mathematica, Maple software, Vim, LaTeX, & Excel.

EXPERIENCE

Independent Private Tutor/Consultant: May 2021 - present

- Tutoring on subjects from Geometry to Abstract Algebra for students aged 14-50.

Tutor Doctor: Private Tutor Nov 2019 - May 2021

- Tutoring on subjects ranging from Geometry to Linear Algebra for students aged 15-30.

Brazeiros, Gaucho Chef: Feb 2017 – Nov 2019

- Served and attended to high-profile guests at an upscale restaurant during private and special events, ensuring exceptional service and attention to detail
- Interacted with clients and Co-operated with co-workers in English and Spanish
- Cooked and served upwards of fifteen dishes at a time.
- Knowledge of all menu items, contents, and preparation methods.

Oak Ridge National Laboratory, Research Intern: Summer 2014

- Analyzed reading/writing behavior of Lustre supercomputer file system through writing automated scripts written in Sh to plot reading/writing behavior.
- Acquired on the job skills, including secure shell login procedures, parallel programming in C++, & communicating mathematical information.

LEADERSHIP/PROJECTS

VR Chat, Entertainer ??? 2018 - ??? 2020

- Practiced French
- Practiced improvisational guitar, singing, harmonica
- Made and rigged 3d models for animation using Blender and Unity software

Personal Website, Sole Developer ??? 2022 - ??? 2023

- Developed from scratch using HTML, CSS, and Javascript
- Created experimental program in javascript to filter images through restricted color palette by distance in Hue, Saturation, and Value

Daily Beacon, Video Production: Jan 2019 – May 2020

- Filmed and edited interviews of students, Worked with DSLR camera and boom microphone for foreground/background visual differentiation and room noise cancellation.

Educational Advancement Program, Undergraduate Researcher: May 2017 – July 2017

- Studied movement behavior of *C. elegans* using Python.
- Read professional academic publications on applications of artificial intelligence & neural networks to study *C. elegans* navigation decision making patterns.

College Democrats, Political Liason May 2016 - May 2017

- Built and maintained relationships with government officials and their staff and conducted research and analyzed data to inform and conduct campaign canvassing and phone banking efforts

Vols for Bernie, Vice President Jan 2015 - May 2016

- Assisted president with developing targets, strategies, and tactics to achieve club goals of coordinating support for candidate. Mobilized members and organized events to get involved in canvassing and phone banking

Python Projects, Sole Developer

Aug 2013 – May 2014

- Created user interface construction library from scratch with programmable buttons and labels.
- Scripted commandline application for flashcard memorization.
- Wrote script to generate image textures for 3d models.

Oak Ridge Computer Science Club, President

Aug 2012 - May 2014

- Studied Python computer programming and prepared technical slides for instructing up to ten students and created 2d classical physics simulations using the pygame library