Pablo M Reboredo-Segovia

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Objective

Recent Mathematics graduate seeking entry-level IT position to gain experience learning new technologies and solving technical problems in an applied and customer-facing setting.

Education

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

Coursework: Multivariable Calculus, Partial Differential Equations, Abstract Algebra, Matrix Algebra, Real Analysis, Probability and Statistics, Numerical Algorithms, Models in Biology, and Set Theory

Experience

Private Tutor/Consultant May 2021 - present
Resolved issues with customers technical understanding of R, Web programming, Probability & Statistics, and Linear Algebra within specified timeframe.

With a high level of customer focus, guided customers through motivations behind creative solutions to technical problems.

Identified opportunities for learning improvement and elimination of cognitive blocks.

Tutor Doctor: Private Tutor Nov 2019 - May 2021
Maintained documentation on student learning objectives and procedures via in-house ticketing system.

Escalated problems to appropriate student support resource.

Edu. Adv. Program, Researcher May 2017 – July 2017
Documented and identified movement behavior of Caenorhabditis elegans (C. elegans) using Python.

Learned new techniques through professional academic publications on applications of artificial intelligence & neural networks to study C. elegans navigation decision making patterns.

Oak Ridge Associated Universities 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. Continually focused on learning new technologies in rapidly changing environment.

President, Oak Ridge Comp. Sci. Club Aug 2012 – May 2014 Diagnosed student body needs and understanding of computers to create a development plan to achieve greater effectiveness in solving technical problems

Computer Skills

Typing: 90 wpm @ 97% accuracy

Microsoft & Google Software Suites: Mathematics education

Electronic File Management: Analyzed supercomputer file system at Oak Ridge National Lab.

Document Formatting: Microsoft & Google office software suites, YAML, XML, Markup, LaTeX.

HTML/CSS/Javascript,Elm: pablorious.github.io

Python: github.com/Pablorious

Version Control: Experience using git & github for personal projects

MATLAB, Mathematica, R, Maple: Mathematics education

Vim, Linux Shell: Preferred Development Environment of ten years

Projects

Pablocky: Wrote a custom layout library for a Python-Pygame based GUI and Object-Oriented menu system with a custom physics engine.

Color Converter: Created javascript program to convert images into a limited color palette using IEEE standards on measures of perceived luminance in phons

Mountain Maker: Developed algorithm and weights to imitate formation of Appalachian Mountains at a distance using midpoint displacement algorithm

Flashcard Game: Created command-line learning tool for memorization of lists of terms and their definitions using Python objects and the "Pickle" library.

Image Memorization Tool: Resolved issue of materials that needed memorization arriving in non-text form with a tool to create a set of images with every combination and permutation of hidden terms so that long passages may also be memorized

Languages

English: Native Speaker
Spanish: Native Speaker
French: Intermediate speaking, reading, and writing