Joseph Godinez

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Education

University of Maine May 2024
Bachelor of Science in Mathematics *Current GPA: 3.6/4.0*

Relevant Coursework

Completed Courses: Single- and Multi-variable Calculus, Differential Equations, Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture, Introduction to Software Engineering, Discrete Structures, Linear Algebra, Number Theory, Real Analysis, Abstract Algebra
Courses In Progress: Probability and Statistics, Numerical Analysis, Discrete Mathematics, Deep Learning
Awards: Dean's List (Fall 2020, Spring 2021, Spring 2022, Spring 2023), Theodore and Dorothy Whitehouse Scholarship, George and Helen Westen Scholarship

Skills

Programming Languages: C, Java, Python, JavaScript, HTML/CSS, LaTeX, PHP, MATLAB
Tools: Git/GitHub, Unix Shell, VS Code, Moodle, Amazon Web Services, Apache, Android Studio, VIM, SSH
Libraries: pandas, NumPy, Matplotlib, PyTorch, graphics.py

Experience

Servant Heart Research Collaborative | *Student Software Developer* March 2023 - Present

- Collaborated on building a website used by secondary education students in Sierra Leone to study for national standardized exams
- Debugged PHP, CSS, and JavaScript code using VIM in Git Bash
- Managed live and development server instances using AWS EC2 and Route53 tools

Privacy Engineering Regulatory Compliance Lab | *Student Research Assistant* January 2023 – Present

- Co-authored a research paper analyzing the accuracy of ChatGPT answering privacy-related questions
- Assisted the faculty advisor as a sub-reviewer for peer-reviewed research
- Prepared and presented literature reviews on Internet of Things (IoT) privacy research

Center for Research in Stem Education (RISE) | *Maine Learning Assistant (MLA)* August 2021 – Present

- Helped prepare course material for Calculus II with instructor and graduate assistants
- Provided in-class answers and explanations to boost student understanding
- Coordinated team-building events and informational support for new MLAs

Projects

Honors Independent Thesis | *Investigating student problem-solving in Calculus II* January 2023 - Present

- Engineered a pairwise interview process to diagnose potential student misunderstanding when analyzing various integration calculus problems
- Constructed a theoretical framework based on present and past learning theory and mathematics education research

Evaluating Privacy Related Questions from StackOverflow: Can ChatGPT Compete? June 2023

- Collaborated on annotating and classifying privacy-related questions and answers
- Co-authored the paper accepted to Evolving Security and Privacy Requirements Engineering (ESPRE '23) workshop at 31st IEEE International Requirements Engineering Conference