Joseph Godinez

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Education

University of Maine May 2024
Bachelor of Science in Mathematics, Computer Science minor *Current GPA: 3.65/4.0*

Relevant Coursework

Completed Courses: 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, Probability and Statistics, Numerical Analysis, Discrete Mathematics, Deep Learning
Courses In Progress: Mathematical Statistics, Topology, Complex Analysis
Awards: Dean's List (Fall 2020, Spring 2021, Spring 2022, Spring 2023, Fall 2023), Theodore and Dorothy Whitehouse Scholarship, George and Helen Westen Scholarship

Skills

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

Experience

Servant Heart Research Collaborative | *Student Software Developer* March 2023 - Present
- Collaborated on building and maintaining 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 | *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

Research and Projects

An Investigation into Problem-Solving in the Calculus II Classroom January - December 2023
- 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 education research
- Defended to committee in December 2023 earning Highest Honors

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

Analysis of Modern Methods for Gaussian Process Regression January 2024 – Present
- Organized plan for comparison of modern nonparametric Gaussian process regression methods
- Received funding for presenting project at Student Research Symposium