Joseph Godinez

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Education

Villanova University May 2026
Masters of Science in Applied Statistics and Data Science *GPA: 4.00/4.00*

University of Maine Orono May 2024
Bachelor of Science in Mathematics, Magna Cum Laude *GPA: 3.65/4.00*
Honors College graduate awarded Highest Honors, Phi Beta Kappa

Skills

Programming Languages: R, SAS, MATLAB, Python, Java, JavaScript, Golang, C, HTML/CSS

Tools: Git/GitHub, UNIX Shell, VSCode, Amazon Web Services, Moodle, Apache, Android Studio, VIM, Electron

Libraries: pandas, NumPy, Matplotlib, PyTorch, graphics.py, Keras, Seaborne, ggplot2, dplyr,

Methodologies: statistical analysis, data analytics, statistical programming, multi-variable calculus, linear algebra

Experience

GS Retail Services, LLC | *Software Engineer* June 2024 - Present
- Designed, implemented, and revised front-end framework for database management application using Electron framework
- Engineered header templates, user stories, and requirements documentation with full-stack scope
- Managed and achieved routine deadlines with effective and efficient communication

Servant Heart Research Collaborative | *Student Software Developer* March 2023 - August 2024
- 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 and UNIX terminal
- Managed live and development server instances using AWS EC2 and Route53 tools

Center for Research in Stem Education | *Maine Learning Assistant (MLA)* August 2021 – May 2024
- 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

Modern Approaches to Gaussian Process Regression January 2024 – April 2024
- Organized comparison of various state-of-the-art Gaussian process regression methods and associated mathematical theory
- Received funding for presenting project at University of Maine Student Research Symposium
- Presented project in clear and concise manner to undergraduate student peers and general audience members

An Investigation into Problem-Solving in the Calculus II Classroom January 2023 - 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 Thesis 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 manuscript accepted to Evolving Security and Privacy Requirements Engineering (ESPRE '23) workshop at 31st IEEE International Requirements Engineering Conference