Will Santiago Medina

Curriculum Vitae | Computer Science & Artificial Intelligence

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EDUCATION

University of Wisconsin–Green Bay | 2026–present

Associate of Arts and Sciences, in progress; Rising Phoenix early college program. Academic focus: computer science and artificial intelligence. Expected completion: 2028.

Green Bay West High School | Expected graduation: 2028

High school diploma, in progress.

RESEARCH INTERESTS

Large language models, model evaluation, machine learning systems, efficient inference, and software architecture.

SELECTED ENGINEERING PROJECTS

Sanctuary Slides | Creator and maintainer

Browser-based presentation and live media software for worship teams.

- Developed and deployed a platform historically adopted by 13 churches internationally, with hundreds of individual users over its lifetime.
- Implemented synchronized presentation workflows across devices and completed a database migration to reduce infrastructure costs and restore service.
- Released software remains available; maintenance is now limited to occasional fixes and updates.

Panda | Creator

Keyboard-driven macOS tiling window manager written in Zig, using a background daemon, command-line interface, per-user socket communication, and macOS Accessibility APIs.

music-player | Developer

Web music player for Vida Nueva with playback controls, album art, and synchronized lyrics. Built with TypeScript, Express, Supabase, and WaveSurfer.js.

OPEN-SOURCE DEVELOPMENT

Inkdrop plugin ecosystem

Developed a plugin distributed through the official Inkdrop plugin directory and application; collaborated with the application's developer.

focus.nvim: Dims inactive Neovim windows while preserving the editor layout.

rec.nvim: Screen recording from Neovim using a Rust CLI and FFmpeg.

themedash.nvim: Interactive previews of installed Neovim colorschemes.

OPEN-SOURCE COMMUNITY

Participate in developer communities through bug reporting, fixes, feature suggestions, and occasional collaboration on open-source projects.

VOLUNTEER EXPERIENCE

Vida Nueva Church | Volunteer Media Technician

Contributed more than 2,000 hours of volunteer service supporting live media production.

- Supported presentation and audiovisual workflows for worship services.
- Developed software for church presentation and music playback workflows.

HONORS AND SCHOLARSHIPS

GEAR UP full-ride scholarship: Rising Phoenix program.

Wisconsin DPI scholarships: UW–Green Bay Onshape and Design Tech camps.

Student Success Award: 2021–2022 school year.

Varsity soccer letter: Green Bay West High School, 2025–2026.

TECHNICAL SKILLS

Programming: Zig, C, C++, Rust, Go, Python, TypeScript, JavaScript, Lua, SQL.

Systems and tools: Linux, macOS, Windows, Git, Neovim, Nix, Docker, PostgreSQL.

Areas: systems programming, developer tooling, web development, live media software.

LANGUAGES

English: fluent; Spanish: fluent; Japanese: currently studying.