Dana Angela Neria

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EDUCATION

University of British Columbia   Sep 2021 – May 2026
- Bachelor in Cognitive Systems with an Applied Music Technology Minor

SKILLS

Languages: HTML/CSS, Java, JavaScript, Python, TypeScript, C, C++, PHP, SQL, Racket
Frameworks/Tools: Unity, Node.js, React, Vite, Google Workspace, Git, Max/MSP/Jitter, CodePen

PROJECTS

DAhandler
- Developed an application using **Vue**, **HTML**, **CSS**, **JavaScript** and **Python** that interacts directly with users' Outlook calendars to automate input of trial events and reminders; reduced manual entry time by approximately 10 hours weekly across the legal team's operations.
- Over 20 paralegals and lawyers actively use the system on a weekly basis to streamline and enhance the efficiency of event management processes.

Litigation Checklist Calculator
- Developed a dates and deadlines calculator specifically tailored for the Harris & Company clerk and paralegal team of 20+ employees, resulting in significant reductions of scheduling conflicts during high-volume periods throughout ongoing case files.
- Implemented the front-end interface utilizing **React**, **Vite**, **HTML**, and **CSS** to create a responsive and user-friendly experience; completed the project within an accelerated 3-day timeline.

LoopMax
- Designed and implemented an audio looper using **Max/MSP/Jitter**, featuring dynamic audio loop creation and real-time effects processing; supported up to 15 simultaneous loops.
- Implemented a modular system of patches, including a count-in system, metronome, and looping stations, resulting in a 50% reduction in setup time for live performances.

The Pianist
- Built an interactive visual piece in **Max/MSP/Jitter**, integrating **Unity** and **C#** to process real-time motion data from an Xbox Kinect Sensor bar, tracking a trained dancer's movements.
- Transformed a static **Unity** piano asset into an audio-reactive performance instrument.
- Enhanced visual storytelling through custom particle systems and adaptive lighting that reacted to musical intensity in real-time.

EXPERIENCE

Tutor – The C.O.D.E. Initiative Foundation   Jan 2023 – Mar 2023
- Taught children and young adolescents the fundamentals of coding in **Java** and enhanced their computer science grades by 50%.
- Empowered students to design and build personalized websites on **CodePen** using skills in **HTML**, **CSS**, and **JavaScript** over a 3-month period.

CERTIFICATION

Unity Essentials Pathway   July 2025
- Mastered core Unity workflows, including 3D, audio, programming, 2D, and publishing essentials.