

Daniel Nguyen

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SUMMARY

Certified Scrum Product Owner, web developer, and educator with 10+ years of experience in public schools, inspired by the learning that is possible when every student has access to excellent teaching and high-quality materials. Adept at facilitating cross-functional collaborative environments, maximizing product value, and utilizing data and communication skills to achieve team goals. Committed to leveraging my expertise in agile methodology, curriculum, and technology to drive innovation and meaningful outcomes.

SKILLS

Curriculum: Instructional Design, Problem-based Learning, Culturally-responsive Pedagogy, Assessment

Technical: Ruby on Rails, Javascript, HTML, CSS, Ruby, SQL (PostgreSQL), Python, Git, Linux, Jira

General: Google Workspace, Microsoft Office Suite, Problem-solving, Communication, Mentorship

INDEPENDENT LEARNING & PROJECTS | [GitHub](#)

Utilized open-source curriculum and online coursework, including The Odin Project and Harvard's CS50x, to gain proficiency in computer science and web development fundamentals. Developed full stack web applications using a variety of technologies including JavaScript, HTML, CSS and server-side frameworks such as Ruby on Rails.

Project: Quizzly | **Technologies Used:** Ruby on Rails, JavaScript, CSS, HTML, PostgreSQL

- Integrated OpenAI's API into Quizzly, allowing the app to leverage the capabilities of natural language processing and machine learning to generate intelligent quizzes that are tailored to the user's input, resulting in an engaging and interactive experience
- Implemented a robust user authentication and authorization system by utilizing the Devise and OmniAuth gems
- Integrated a PostgreSQL database to efficiently store and manage quiz data
- Incorporated PDF generation functionality, empowering users to download and print their generated quizzes

Project: ImageGen | **Technologies Used:** Node.js, Express, JavaScript, CSS, HTML

- Integrated OpenAI's image generation models, enabling ImageGen to generate visually appealing and personalized images based on user input
 - Utilized Node.js runtime and Express framework to build the backend, handle user requests, communicate with the OpenAI API, and deliver content to the frontend
 - Designed an intuitive and visually appealing user interface using CSS and HTML, allowing users to interact with the application seamlessly
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PROFESSIONAL EXPERIENCE

Academic Tutor | Freelance | Quincy, MA

June 2022-Present

- Collaborated with clients and stakeholders to establish clear goals and expectations for academic performance, outlining specific target areas and desired outcomes for improvement
- Conducted comprehensive assessments to identify learning gaps and designed individualized lesson plans to address specific needs, resulting in a 25% average academic growth
- Fostered a positive and supportive learning environment by establishing rapport with students, actively listening to their concerns, and providing constructive feedback, resulting in a 90% student satisfaction rate

- Implemented communication strategies to keep stakeholders informed about student progress, utilizing regular progress reports, parent-teacher conferences, ensuring a high level of transparency and collaboration throughout the tutoring process

Educator | Quincy Public Schools | Quincy, MA

August 2017-June 2022

- Utilized formative assessment data to drive instructional decision-making, resulting in a 30% increase in student mastery of grade-level math standards throughout the academic year
- Created an extracurricular program to teach computer science fundamentals (Code.org, Scratch) to elementary school students, earning 100% satisfaction rating from parents and community
- Fostered a culture of continuous improvement by encouraging team members to reflect on their teaching practices and share best practices, resulting in a more collaborative and effective team
- Leveraged education technology solutions to deliver dynamic and interactive learning experiences, resulting in increased student engagement
- Mentored and provided ongoing support to student teachers, resulting in improvements to their instructional and classroom management skills, and positive feedback from school administrators

Educator | Boston Public Schools | Boston, MA

August 2014-June 2016

- Developed and implemented standards-based lesson plans and instructional materials for a 3rd grade classroom, effectively delivering engaging lessons that catered to diverse learning styles and abilities, resulting in 50% student academic growth
- Collaborated with grade-level teachers to develop and implement a math intervention program, resulting in a 30% decrease in the number of students requiring additional math support and a 20% increase in overall math proficiency
- Spearheaded the implementation of a Sheltered English Instruction approach, leading to targeted support for English learners and improved academic language acquisition

Teacher | VietAID Scholarly Program for Youth | Boston, MA

Summers 2010-2013

- Collaborated with a diverse team to develop and implement experiential learning experiences, incorporating family involvement and engagement to create a vibrant learning community
- Led the development and implementation of a program-wide classroom management system, utilizing PBIS principles to promote positive behavior and create a supportive learning environment
- Facilitated summer program activities for 1st-8th graders, providing academic support, enrichment opportunities, and community engagement initiatives that fostered
- Created leadership opportunities for high school-aged youth, empowering them to develop essential skills and pursue their dreams while contributing to the mission of providing affordable and impactful out-of-school time programming for the community

LICENSES & CERTIFICATIONS

Certified Scrum Product Owner (CSPO)

Massachusetts Educator Licenses (Elementary 1-6, Math 1-6, English as a Second Language PreK-6)

EDUCATION

University of Connecticut | Storrs, CT

Master of Arts, Curriculum and Instruction

May 2014

Bachelor of Science, Elementary Education

May 2013