Owen Nyenhuis

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PROFESSIONAL SUMMARY

Motivated and adaptable individual with a strong academic background in computer science. Skilled in software development, project management, and creative design, eager to apply theoretical knowledge to practical challenges as a software developer. Proven ability to learn quickly and collaborate effectively in team environments. Committed to continuous learning and professional development to excel in the changing technology world.

SKILLS

- ✓ Python
- ✓ C++
- ✓ C
- ✓ Assembly
- ✓ JavaScript
- ✓ HTML
- ✓ CSS
- ✓ SQL
- ✓ Databases
- ✓ Microsoft Office
- ✓ Affinity Designer 2
- ✓ Socket IO
- ✓ Debugging
- ✓ GitHub & Gitlab
- ✓ Web Development
- ✓ Conceptualization and Layout Design
- ✓ Object Oriented Software Design
- ✓ Computer Architecture/Logic Gates
- ✓ Adobe Creative Suite
- ✓ Data Structures and Algorithms

PROJECTS

Frello Web Application Project | April 2024
- o Engineered a mock Trello web application, showcasing proficiency in Databases, HTML, CSS, JavaScript, SQL, Socket IO, and Python.
- o Employed layout design and UI techniques to enhance user experience and interface functionality. Resulted in a 25% increase in site usage between the initial and final draft.
- o Explore the project: https://exam-wejkmadutq-uc.a.run.app/

Object Oriented C++ South Park Animation Application | November 2023-December 2023
- o Developed an application enabling users to create animations featuring South Park characters and physics-based machines with keyframing mechanics.
- o Illustrated expertise in software development, user interface design, and animation principles.

EDUCATION

- o **Michigan State University** | East Lansing, MI | August 2021 – April 2025
- o *Bachelor Of Science in Computer Science, Honors College, with minors in Mathematics and Graphic Design*

EXPERIENCE

Teaching Assistant – Computer Science Department, MSU | East Lansing, MI | August 2024 – Present
- o Developed coding projects to enhance students' understanding of data structures and algorithms.
- o Facilitated help room sessions by troubleshooting code issues and responding to GitLab forum queries, reinforcing best practices in web application development.

Malmstrom Lab Research Assistant - Plant Biology Labs, MSU | East Lansing, MI | May 2024 – Present
- o Optimized figure designs for upcoming research papers to get directed attention at certain data on the page.
- o Expanded skillset in marketing design principles in junction with tools in Affinity Designer program.

Marketing Designer - Plant Biology Department, MSU | East Lansing, MI | January 2024 – Present
- o Harnessed conceptualization and layout design skills to craft dynamic flyers and marketing models.
- o Delivered impactful designs consistently on time that increased seminar attendance by 15%.