

Nikolas Zazula

EDUCATION

University of Michigan — Ann Arbor, MI

Sep. 2017 — Dec. 2022

B.S. in Cognitive Science. Minor in Computer Science.

WORK EXPERIENCE

Freelance Development and Design — Ann Arbor, MI

April 2020 — Present

Engaged in freelance development work, communicating directly with clients to create streamlined and accessible platforms and marketing materials.

- Utilized React JS and PHP to create a digital art portfolio web application for the University of Michigan, showcasing the work of over 25 artists leading to an online engagement increase of 200%.
- Collaborated with independent artists to create personal web portfolios to showcase their work, while simultaneously enabling their audience to interact with them via blog posts and contact mediums.

Blockchain Development Intern — Ann Arbor, MI

Sep. 2020 — Dec. 2022

Designed and implemented solutions with fashion start-up Fashmates, specifically addressing user plagiarism on their platform.

- Implemented a template matching algorithm in Python (PyTorch) to identify likely instances of plagiarism between user posts, enabling the screening of report tickets and reducing their overall processing time by 70%.

MProduct — Application Design

September 2021

Designed the application interface for my team's cohort project "Glassroots" using Figma and React JS.

- Project trajectory was shaped by a comprehensive survey involving 50 individuals, prioritizing design and functionality elements for the application.
- Project sourced academic articles regarding social justice topics and conversations in a shareable, engaging social media format.

PROJECTS

SQL Emulator — Software Development

November 2022

Designed and developed a C++ application utilizing hashing and binary search trees to simulate a basic relational database, with an interface modeled after standard query language.

TSP Optimization — Software Development

December 2022

Implemented minimum spanning tree and branch and bound algorithms in C++ to address the Traveling Salesperson Problem. Constructed a fast and effective bounding algorithm to achieve an optimal solution.

SKILLS

Programming: C/C++, HTML/CSS/JS, PHP, SQL, Swift, React JS, Solidity, Swift, Python, Git.

Software: Visual Studio Code, XCode, Adobe Creative Suite, Figma, Microsoft Office.

Relevant Coursework: Data Structures and Algorithms in C++, Intro to Machine Learning, Computer Architecture, Needs Assessment and Usability Evaluation, Responsive Web Design.

Extracurriculars: Michigan Blockchain - *Blockchain Developer*, Blup Bop Jazz Orchestra - *President of Marketing and Events*, Bronze Elegance - *Press and Publicity Chair*, MProduct.