Nick Marker

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EDUCATION

University of Southern California, Viterbi School of Engineering Los Angeles, CA
B.S. in Computer Science and Game Development, Minor in Web Development August 2021-May 2026
- **GPA:** 3.85; SAT: 1540/1600
- **Honors:** Dean's Honor List, Alpha Lambda Delta, High School Valedictorian
- **Relevant Coursework:** Front-End Development, Back-End Development, Advanced Python, C++ Programming, Fundamentals of Computation, Discrete Methods in Computer Science, Linear Algebra

PROFESSIONAL EXPERIENCE

Pillar4 Media Charlotte, NC
Front-End Developer June 2023-August 2023
- Optimize front-end functionality of brand sites by developing JavaScript, HTML, and CSS code that served a daily user base of over 1,500 individuals
- Build out 25 updated site pages for a single brand responsible for $2,000 of the daily revenue
- Employ various SQL queries to extract and organize user-interaction data with relation to specific site pages and respective revenue across 8 different company operated brands
- Conduct over 15 split and multivariate Front-End tests to elevate element user conversion rate by at least 2.0%
- Facilitate collaboration between design and engineering teams, maintaining a site take rate increase of at least 5%

Amata Agency Los Angeles, CA
Web Developer July 2022-January 2023
- Develop weekly email and web page prototypes using HTML and CSS serving a user base of 1,000+ viewers
- Revamp web landing pages around client restrictions and improve site SEO through meta tag manipulation
- Communicate directly with clients on project updates to meet strict deadlines, maintaining a retention rate of 88%

PROJECTS

Ekko, *Winner at Stanford Treehacks 2024* February 2023-February 2023
- Awarded "Together.AI Award for Best Project Built on Open Source AI Programs and Models" and "Best Use of Bun Award" at 2024 Stanford Treehacks, totaling to $5,000 in prize money
- Integrated ElevenLabs TTS model and Deepgram's STT for seamless audio conversations, leveraging Convex.dev for efficient data hosting, authentication services, function calls to the vector database
- Implemented Bun's Elysia.js server along with Together.AI's models for response generation and text embeddings
- Trained a text classification model with scikit-learn, using synthetic data to match ACTFL proficiency guidelines

DESY, *Founder* August 2023-December 2023
- Founded and led the development of DESY, a Figma plugin aimed at streamlining design system compliance
- Acquired 30 users in the first two weeks of launch, cutting design costs by 30% and development time by 50%
- Strategized monetization and sustainable growth through spearheading multiple subscription models
- Implemented JavaScript, the Figma plugin API, HTML, and CSS to build the plugin, collaborating with a designer to iteratively enhance the user experience

LEADERSHIP

University of Southern California Los Angeles, CA
Front-End Development Teaching Assistant (promoted from Web Development TA) January 2023-Present
- Top performer out of 40 students in React, JavaScript, and HTML/CSS programming for web apps
- Instruct 30 students during weekly lab sessions and office hours, along with grading all assignments

SKILLS, ACTIVITIES & INTERESTS

Programming: React, C++, Python, JavaScript, HTML, CSS, React Native, SQL, PHP
Design: Figma, Adobe Creative Suite, Google Analytics, Webflow, Squarespace, WordPress, Miro
Activities: Recruitment Director for Sigma Eta Pi (SEP), LavaLab active member
Interests: rock climbing, cooking, horror films, sketching, 3D modeling, cross country