Derek Nissen

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EDUCATION

University of Missouri | Columbia, MO   **August 2023 - May 2027**
B.S. in Computer Science
Minor in Business
Relevant Courses: Introduction to Computer Science, Algorithm Design & Programming I & II, Introduction to Logic Systems

Summit Technology Academy | Lee's Summit, MO   **August 2021 - May 2023**
Computer Science Path
Relevant Courses: Software Development - Python, Software Development - Data Science & Artificial Intelligence

TECHNICAL SKILLS

Programming Languages: Python, C, Lua, HTML, CSS, JavaScript
Tools: Visual Studio Code, Replit, Firebase, Jupyter Notebook, Figma, Adobe Photoshop, Adobe Dimension, Adobe Illustrator
Libraries/Frameworks: Pandas, Selenium WebDriver, Matplotlib, Scikit-learn, React

PROJECTS

Nissen Creative (https://nissencreative.com)   **December 2023 - Present**
- Designed & developed a responsive website for a personal creative agency startup using vanilla **HTML/CSS/JS.**
- Integrated **webhooks** to forward contact form tickets to the company management app.
- Created graphics for university students (clients) and their startup businesses.

Nissen Bike UI/UX Design   **October 2023 - November 2023**
- Designed mobile shopping Lo-Fi & Hi-Fi wireframes with **Figma** for a mock bike shop.
- Created a style guide to maintain consistency throughout the application design.
- Prototyped animated user flows.

Google Firebase for ROBLOX   **August 2023 - September 2023**
- Integrated **realtime database** services from **Google Firebase** into a virtual experience to store data for more than 100,000 users using **Lua** & **HTTP** requests.
- Improved runtime of the experience by outsourcing database services.
- Enabled users to load their progress from previous visits in a game.

MileSplit Scraping   **June 2023 - July 2023**
- Utilized Selenium WebDriver, Pandas, Matplotlib, & Jupyter Notebooks to extract data from Missouri Milesplit website.
- Practiced the **ETL** process by transforming the data into graphical data.
- Created a program that outputs a graphical & comparative representation of athletes' race times in **Jupyter Notebook**.

PROFESSIONAL EXPERIENCE

Graphic Designer | Harpo's Bar & Grill | Columbia, MO   **October 2023 - Present**
- Utilized **Figma** & **Adobe Photoshop** to produce social media graphics.
- Maintained brand consistency across online accounts and promotions.
- Collaborated with colleagues to create effective marketing strategies.

PROFESSIONAL DEVELOPMENT

Figma UI/UX Design Essentials | Udemy | Daniel Walter Scott   **October 2023**
Python Conference Attendee | Salt Lake City, UT | Python Software Foundation   **April 2023**