

Alexis Danz

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// Work Experience

Business Hermetics

Freelance Web Developer

03/2021 – Present

- Creating a website for Business Hermetics using Gatsby.js, Bulma CSS and a headless CMS to allow owner ease of use and publishing of articles. Hosted project on Netlify with a domain redirect.
- Implemented a search, filter, and social share functions. Provided cookie list analytics and printing article pages as a PDF. Ensured accessibility with color contrast checker, Google lighthouse, and ARIA roles.

Scherrer Lab

Computational Research Assistant

05/2020 – 09/2020

- Analyzed approximately 100 genome sequences in R and utilized calcium imaging to research the impact of opioid usage on the brain.
- Interpreted the connection between opioid usage and the anatomical structures of the brain by methods of brain tissue analysis and fMRI imaging.

UNC Emergency Department

Medical Scribe

09/2018 – 04/2020

- Wrote approximately 100 patient encounter notes per shift and conferred with consulting physicians/specialty services for patient disposition. Navigated and worked within the Epic electronic medical record system.
- Interpreted lab values and imaging results, resulting in a differential diagnosis and treatment plan. Assisted with emergency medical procedures and overall care.

Hugh Kaul Precision Medicine Institute

Research Intern

09/2019 – 05/2020

- Worked on seven patient case reports who struggled with rare genetic disorders. Interacted with the patient and their family as an in-between the physicians and computer scientists.
- Helped improve the in-house software of Medikanren and Minikanren by methods of UI and UX improvements in Racket -- strategic color and texture utilization, typography for hierarchy and clarity, padded block links, and typesetting buttons.

// Extracurricular Activities

UNC Game Development Club

Vice President

06/2020 – Present

- Provided leadership over a club with approximately 50 members. Organized weekly club meetings, competitions, and interacted with the university system to grant funding.
- Organized UNC Global Game Jam, an annual distributed game jam for approximately 150 participants.

CS + Social Good

Member

10/2019 – Present

- Helped local animal rescue shelters with photo shoots for available animals.
- Built functional and easy-to-use websites for various local shelters to provide pertinent information and showcase the animals available for adoption.

// Education

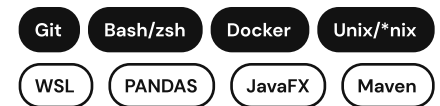
University of North Carolina at Chapel Hill

Computer Science (B.S.) with minors in German and Statistics.
GPA: 3.87

08/2019 – 05/2022

// Skills

Frameworks



Tools



// Ask me about

2048 AI Player

Python program that utilizes the expectiminimax algorithm and alpha-beta pruning to create an adversarial search agent to play the 2048 puzzle game.

Sunset Chaser

Utilizing the OpenWeatherAPI and a mathematic equation to factor various weather components to calculate how vivid a sunset will be.

NotifyMe

JavaScript program that parsed the North Carolina vaccination appointment website using JSDOM at a set interval to provide notifications for available appointments to healthcare workers.

ML Book Recommender

Currently working on a machine learning algorithm with logistic regression and data tree learning to provide accurate book recommendations.