

# Alexis Danz

✉ amdan@live.unc.edu

🌀 marencka

in alexisdanz

📍 Chapel Hill, NC

## // Work Experience

### Business-Hermetics

01/2021 - Present

Freelance Web Developer

- 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

05/2020 - 09/2020

Computational Research Assistant

- Analyzed genome sequences in R, as well as 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

09/2019 - 04/2020

Medical Scribe

- Wrote patient encounter notes 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

09/2019 - 05/2020

Research Intern

- Worked on several 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.

## // Extra Curriculars

### UNC Game Development Club

06/2020 - Present

Vice President

- 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.

### CS + Social Good

10/2019 - Present

Member

- Helped local animal rescue shelters with photoshoots 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

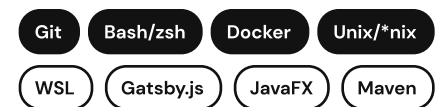
### University of North Carolina at Chapel Hill

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

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

### Prioritize Me!

A program that asks a user to input their to-do list task items in random order and then asks questions in a bubble-sort method to compare the items and prioritize.