

NickHansel

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Education

University of Iowa

BA IN COMPUTER SCIENCE

Iowa City, IA

August 2020 – May 2024

Work Experience

ClearWell Engineering

ENGINEERING INTERN I

- Facilitated a team which utilized software to design roads and communities which house hundreds of occupants. Developed Lisp commands to improve productivity and workflow for all of the companies engineers.

Cedar Rapids, IA

May 2021 – August 2021

Empava

SOFTWARE ENGINEERING INTERN

- Used Node.js, GraphQL, and AWS to develop the back end for a large-scale client database.
- Used React.js to display Salesforce client data in a gamified and easy-to-read format on the website.
- Used JSForce API to integrate potential data for over 150,000 customers.

Los Angeles, California

August 2021 – Present

Skills

Programming Languages: Python, Java, JavaScript, HTML, CSS

Technologies: React.js, Node.js, NumPy, AWS, GraphQL, Tensorflow, Git, mongoDB, Agile Development

Projects

Twitter Sentiment Analysis

Python, Tensorflow, Matplotlib,

Twitter API, Keras

A DATA SCIENCE PROJECT WHICH UTILIZES MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING TO ANALYZE THE SENTIMENT OF TWEETS OF A SPECIFIC TWITTER USER THAT THE USER SPECIFIES. THE TWITTER USER IS GIVEN A RATING BASED ON HOW NEGATIVELY OR POSITIVELY THEY ARE PERCEIVED ONLINE. THE LINEAR REGRESSION IS THEN DISPLAYED ON A SCATTER PLOT IN THE UI.

Random Meal Plan Generator

Python, bs4

PROJECT BUILT USING PYTHON AND BS4 WHICH WEB SCRAPES RECIPES FROM DELISH.COM AND THEN IMPORTS THE DATA INTO A DATABASE TO BE RANDOMLY SELECTED TO MAKE A MEAL PLAN FOR THE USER.

Full-Stack Tinder Clone

JavaScript, Node, React, Firebase

A FULL-STACK TINDER CLONE WEB APPLICATION WHICH INCLUDES FULL FUNCTIONALITY OF SWIPING AND ALSO INCLUDES A CHAT FEATURE. THE APPLICATION TAKES DATA FROM A FIREBASE DATABASE AND THEN UPDATES THE USER PROFILES IN REAL TIME.