

Pia M Wetzel

714-234-3082 | wetzelpiam@gmail.com | piawetzel.com | github.com/piamwetzel
Greater Los Angeles, California

EDUCATION

California State University, Fullerton

Bachelor of Science, Computer Science, Minor in Mathematics

GPA: 3.88 (Magna Cum Laude)

May 2020

SKILLS

- Languages: German (native), English (fluent)
- Programming Languages: Python, C++, Java, C#, SQL, HTML, CSS, JavaScript, R
- Other Skills: REST, Flask, React, MySQL, Redis, GitHub, Heroku, MATLAB, Linux/Unix, R Studio, Visual Studio Code, PyCharm, AWS, Docker, Postman, Adobe Photoshop

PROJECTS

[Words] with Twitter (*Flask, Python, NLTK, React, JavaScript, HTML, CSS*)

- Implemented RESTful full-stack web application to analyze and display word usage of Twitter users
- Utilized Tweepy library to fetch Tweets and process content using the Natural Language Toolkit

IsItHotToday (*Flask, Python, JavaScript, HTML, CSS, Jinja2, AWS*)

- Built REST web app to compare today's temperatures to historical weather data of same day
- Created Cron job to daily access current weather data via the NWS API and save to AWS S3 bucket containing historical data since 1921
- Performed data analysis and visualization with NumPy, Pandas, and Matplotlib

KNN with Iris (*C++, CUDA*)

- Developed in team of two shell program to classify input data using k-nearest-neighbors algorithm
- Applied high-performance and parallel computing principles throughout development process

Quizzly (*Flask, Python, JavaScript, jQuery, Ajax, HTML, CSS, SQLite*)

- Programmed quiz application allowing registered users to play quizzes, create quizzes, upvote and downvote quizzes, and challenge other users
- Designed a lightweight relational SQLite database to store user information and quiz data

RATF19 Compiler (*C++*)

- Built compiler performing lexical, semantical, and syntactical analysis of fictional language RAT19F, and subsequent translation into code

Portfolio (*Gatsby, JavaScript, HTML, CSS*)

- Designed and developed static portfolio website showcasing work samples

EXPERIENCE

Password Machining & Manufacturing

Long Beach, CA

CMM Programmer and Operator

May 2015 - April 2017

- Programmed and operated coordinate-measuring machines to analyze measurements of machined aerospace products
- Used HTML, CSS, and JavaScript to update and maintain company web store and websites
- Scheduled and organized customer-required source inspection events
- Implemented job-tracking system increasing on-time deliveries by 20%
- Trained and mentored newly hired coworkers