

Pia M Wetzel

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EDUCATION

California State University, Fullerton

Spring 2020

Bachelor's degree in Computer Science, Minor in Mathematics

GPA: 3.88 (Magna Cum Laude)

SKILLS

- **Languages:** Python, C++, Java, C#, SQL, HTML, CSS, JavaScript, R, Fortran
- **Other Skills:** REST, CUDA, Flask, React, MySQL, Redis, GitHub, Heroku, MATLAB, Linux/Unix, R Studio, Visual Studio Code, PyCharm, AWS, Docker, Postman

PROJECTS

IsItHotToday

- Full stack web app comparing today's temperatures to historical weather data
- Programmed using Python, JavaScript, HTML, CSS, Jinja2, and AWS S3 as storage
- Developed using RESTful principles with Flask
- Accesses the National Weather Service API for current weather data
- Uses NumPy, Pandas, and Matplotlib to analyze temperature differences and generate plots

KNN with Iris

- Command-line program using the K-nearest-neighbors algorithm to classify input data
- Written applying high performance and parallel computing principles with C/C++ and CUDA

Quizzly

- Full stack quiz web app allowing registered users to play quizzes, create quizzes, upvote/downvote quizzes, and challenge other users
- Programmed using Python, JavaScript, jQuery, Ajax, HTML, CSS, SQLite, and Flask
- Used Postman to test API endpoints
- Applied RESTful principles during development

RAT19F Compiler

- Command-line compiler program translating the fictional language RAT19F into code
- Written using C++ in Visual Studio
- Program performs lexical, semantical, and syntactical analysis of input language
- Used a finite state machine to implement lexer

PROFESSIONAL EXPERIENCE

Password Machining & Manufacturing

Long Beach, CA

CMM Programmer and Operator

May 2015 - April 2017

- Wrote and designed programs operating coordinate-measuring machines
- Used HTML, CSS, and JavaScript to update and maintain company web store and websites
- Planned production processes to ensure critical timelines are met
- Scheduled and organized customer-required source inspection events
- Trained and mentored new employees