Rachel Albert

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EDUCATION

University of Utah   Salt Lake City, UT
Bachelor of Science in Computer Science   *Aug 2024*

PROJECTS

Reading Progress Tracker | *Python, React, PostgreSQL, AWS*
- Developed a full-stack application for users to track reading progress, set goals, and curate a library
- Implemented a RESTful backend using FastAPI and Python for efficient data management
- Integrated OAuth 2.0 to manage secure user login and personalized account access
- Deployed using AWS Lambda, API Gateway, and Amplify to simplify backend operations with serverless functions

Instacart Wage Estimator | *Python, FastAPI, SQLite*
- Created a tool for Instacart shoppers to assess potential earnings before accepting orders
- Implemented dynamic algorithms based on order distance and complexity
- Utilized Google's Matrix API and Geocoding API for route calculations and location approximations
- Used SQLite for a lightweight, serverless database that enables streamlined data storage and retrieval

American Sign Language Learning App | *FastAPI, MediaPipe, React, OAuth*
- Collaborated with a team of three to develop a full-stack ASL learning application
- Designed entity relationships to manage user content, ensuring consistent data flow and integrity
- Implemented the database schema using SQLModel and SQLite
- Secured 3rd place in a competitive capstone event with 35 participating teams

Personal Portfolio | *HTML, CSS, JavaScript, Git*
- Consolidated skills, projects, and experience into an engaging personal portfolio website
- Created interactive features like smooth scrolling and image galleries using JavaScript
- Deployed the site using GitHub Pages for seamless hosting and easy access to projects

EXPERIENCE

Nanny   Aug 2024 – Present
Private Family   *Warrington, PA*
- Manage and maintain structured daily schedules, ensuring all tasks are completed on time
- Communicate regularly with parents to provide updates and ensure consistency in care
- Foster a positive environment, supporting children's growth through engaging activities

Waitress   April 2023 – May 2024
Grid City Beer Works   *Salt Lake City, UT*
- Worked as a team in a tip pooling system to effectively serve all tables
- Handled high-volume customer interactions, multitasking and resolving issues efficiently
- Processed cash and transactions, maintaining accuracy and attention to detail

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, HTML, CSS, SQL
Frameworks and Libraries: React, FastAPI, SQLModel, OAuth, Pydantic, Uvicorn
Developer Tools: Git, AWS (Amplify, API Gateway, EC2, Lambda, RDS)