

# Rachel Albert

201-838-1172 | [albert.rachelm@gmail.com](mailto:albert.rachelm@gmail.com) | [linkedin.com/in/rachel-albert](https://linkedin.com/in/rachel-albert) | [rachelmalbert.github.io](https://rachelmalbert.github.io)

## EDUCATION

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### University of Utah

*Bachelor of Science in Computer Science*

Salt Lake City, UT

*Aug 2024*

## PROJECTS

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### Reading Progress Tracker | *Google Books API, Python, MySQL, AWS Lambda*

- Developed a full-stack application for users to set goals, curate a library, and track reading progress
- 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, simplifying backend operations with serverless functions.

### Instacart Wage Estimator | *FastAPI, Python, 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 | *MediaPipe, Python, React, OAuth, SQLite*

- 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 SQLAlchemy 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

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### Nanny

*Private Family*

Aug 2024 – Present

*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

*Grid City Beer Works*

April 2023 – May 2024

*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

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**Languages:** Python, Java, C#, JavaScript, HTML, CSS, SQL

**Frameworks and Libraries:** React, FastAPI, SQLAlchemy, OAuth, Pydantic, Unicorn

**Developer Tools:** Git, AWS (Lambda, S3, EC2)