

# Joel Gilger

## Software Developer

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### Education

BS, Computer Science

**Oregon State University**

Expected Graduation August 2024

Current GPA: 3.8

BS, Business Administration |

Finance

**CSU, Chico**

2019-2021

Graduated with Honors

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### Skills

#### Languages:

Python, C, JavaScript, HTML5,  
CSS3, SQL, NoSQL, JSON

#### Technologies:

React, Node, Flask, MongoDB,  
Express.js, RESTful APIs, AWS  
EC2 and Nginx

#### Relevant Coursework:

- Data Structures
- Analysis of Algorithms
- Security
- Computer Networks
- Databases
- Operating Systems
- Web Development
- Architecture & Assembly Language

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### Certifications & Clubs

Hackathon Club at OSU |  
Member

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Placerville, CA, 95667

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LinkedIn: <https://www.linkedin.com/in/joel-gilger/>

Github: <https://github.com/jgiggler>

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### Projects

#### Hogwarts Library Management System | January 2024 – March 2024

- Partner project developed using Flask using MariaDB, allowing a user to manage reservations for members of the library online based on the Harry Potter Universe.
- Implemented CRUD operations for all entities of a library including 1:M and M:N relationships and created a UI with error handling mechanisms.
- Created a Project Overview, Outline, Entity Relationship Diagram and Schema with a partner utilizing Github for version control.

#### OSRS Cluedle | November 2023 – January 2024

- Item and Monster Guesser from the game “Old School RuneScape” developed using React and Flask
- Allows the user to generate random images and text and can send guesses to the backend to check if the image matches the item name for the image. Utilizes encryption to pass the name to the guess check function.

#### Small Shell | September 2023 – December 2023

- Operating Systems project at OSU, developed using C.
- A shell program that handles Unix commands and custom “exit” and “cd” commands.
- Utilizes signals, forking, and background process management.

#### Blood Sample Tracker | April 2023 – June 2023

- Developed using React, Node, MongoDB, Express API
- Demonstrates proficiency in web development, external APIs, image optimization, DOM manipulation, and database management.
- Allows a user to store data for blood samples to allow users to track their blood data. Performs CRUD operations on the data.

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### Aston Morley / Real Estate Salesperson/Mortgage Loan Originator

October 2020 - PRESENT, South Lake Tahoe, CA

- Handle complex housing purchase and sales transactions.
- Negotiate terms of residential mortgage loans.
- Analyze current market trends in the housing industry to ensure my clients achieve their goals.

### US Bank / Client Relationship Consultant II

January 2022 - July 2022, Placerville, CA

- Engage with clients to understand and fulfill their banking needs.
- Originated various loans and credit applications.
- Analyze and resolve customer account issues and discrepancies.