

Brian Chan

562-508-1809 | chanbria@oregonstate.edu | [linkedin.com/brianchan562](https://www.linkedin.com/brianchan562) |

EDUCATION

Oregon State University

Bachelor of Science in Computer Science – GPA: 3.94

Corvallis, OR

Expected June 2025

University of California, Irvine

Bachelor of Science in Biological Sciences

Irvine, CA

June 2018

EXPERIENCE

The Testing Company

Clinical Laboratory Associate

March 2022 — March 2023

Garden Grove, CA

- Implemented automation work flow in the laboratory. Achieving turnaround time results in less than 6 hours compared to other competitors 24 hours turnaround time.
- Implemented automated sample accessioning which resulted in 50% efficiency compared to manual techniques
- Troubleshoot issues involving Hamilton automated liquid handling and perform daily and weekly maintenance
- Accession samples and prep them for laboratory procedures
- Perform RNA isolation of the samples through manual procedures (pipette) or automated liquid handling (Hamilton STAR)
- Aliquot samples into 96 or 384 plates and perform PCR procedures and sends results to CLS for analysis.

Certified Pharmacy Technician

CVS

Sep. 2019 – March 2022

Westminster, CA

- Managed drop off medication and filling of medication in a timely manner
- Managed inventory of medication within pharmacy and kept up-to-date data log of inventory
- Cleared any workflow on RxConnect and resolved any insurance issues

PROJECTS

Dog Gone Daycare | *Node, MySQL, phpMyAdmin, Handlebars, AJAX*

December 2023

- Developed a database web application to allow clients to track various owners and dogs, their bookings, and associated kennels and/or services during their stays
- Designed MySQL database with N:M & 1:M relationships, with full CRUD functionality
- Utilized Handlebars for building user interface with Node as the backend for database interactions and manipulations
- Used AJAX for asynchronous task

Dish Diary | *MERN(MongoDB, Express, React, Node), HTML/CSS*

June 2023

- Developed a full-stack web application for users to keep track the dishes eaten at various restaurants
- Designed web application frontend via React and backend via Node, Express and MongoDB
- Perform Create, Retrieve, Update, and Delete on the database using the React frontend and REST backend
- Frontend designed with usability in mind, creating the most appropriate experience for users.

Checkers Variant | *Python*

March 2023

- Developed a playable implementation of checker with modified rules
- Designed classes to leverage inheritance, composition, and polymorphism for efficiency
- Designed unit tests to validate to components are working as intended

TECHNICAL SKILLS

Languages: Python, JavaScript, VENUS, SQL, HTML/CSS

Frameworks: Express, React, Node

Developer Tools: PyCharm, VS Code, Git, MySQL, Figma, phpMyAdmin, Power BI

Databases: MySQL, MongoDB

Libraries: NumPy, AJAX, Handlebars

Parallel Computing Technologies: OpenMP, CUDA, OpenCL