Duong Tran

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Education

Drexel University	**Philadelphia, PA**
Bachelor of Science in Biological Sciences	Graduation - April, 2017
GPA: 3.40	
Oregon State University	**Corvallis, OR**
Bachelor of Science in Computer Science	Currently pursuing - December 2025
GPA: 3.90	

Projects

Laboratory Inventory Management App (CS361Portfolio project)
• Developed a Laboratory Product Inventory Management app using **Vite**, **React**, **Tailwind**, and **MongoDB** to manage reagent names, quantities, expiration dates, and categories (reagent, QC, or calibrators).
• Implemented full **CRUD** operations, allowing for the addition, updating, and deletion of inventory items.
• Created an automated alert system integrated with **Discord**, sending notifications when product quantities drop below 5 to ensure timely restocking.

Recipe Suggester App (CS340 Portfolio project)
• Built a Recipe suggestion web app using **Node.js**, **React**, **JavaScript** and **MySQL** to manage a relational database of recipes.
• Designed an intuitive **UI** allowing users to input ingredients, select cuisine type, dish complexity, cooking time, and category (appetizer or main).
• Implemented **CRUD** operations with dynamic drop-downs for foreign key relationships, ensuring smooth user experience and database interaction.

Checkers Game (CS162 Portfolio project)
• Developed a special Checkers game in Python with custom rules, including player creation, game moves, piece promotion to king and triple king, and specialized gameplay mechanics for these pieces; implemented robust exception handling and unit tests with coverage of core game logic.

Experience

Medical Laboratory Scientist (ASCP) (Traveler)	*Multiple locations*
Aya Healthcare	*September, 2019 to Present*

• Perform laboratory procedures according to established and C L I A approved protocols related to specimen processing, QC, lab safety, etc. and help with inventory

Production Supervisor	*Bristol, PA*
The Estee Lauder Companies Inc.	*October, 2017 to August, 2018*

• Managed the assigned non-exempt workforce with a focus on achieving manufacture's daily goals
• Directed the activities of set-up attendants, production attendants, quality auditors and mechanics throughout the shift while ensuring the quality of all production meets standard

Technical Skills

• *Programming Languages:* Python, SQL, HTML, CSS, Javascript, x86 Assembly
• *Technologies/ Tools:* React, MERN Stack, MongoDB, Vite, Node.js, Tailwind, Microsoft Office (Word, Excel, PowerPoint)