

Christopher Valle

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Education

The University of Memphis

Expected Spring 2025

Bachelor of Computer Science | GPA: 4.0

Relevant Coursework: OOP and Data Structures, Database Process and Design, Computer Org/Architecture, Network/Info Assurance, Operating Systems, Programming in C/C++, Web Design/Development, Software Engineering, Design/Analysis Algorithms, Models of Computation, Artificial Intelligence

Skills

Programming Languages: C++, C, Python, Java, Ruby, R, Swift, JavaScript, SQL

Web Technologies & Databases: HTML, CSS, MySQL, PostgreSQL, MongoDB, React.js, Firebase, RESTful APIs, GraphQL, Django, Ruby on Rails

Frameworks & Libraries: React, Redux, React Router, Node.js, Express, mongoose, Bootstrap, Angular

Developer Tools: Git, GitHub, Postman, Babel, VS Code, PyCharm

Experience

La Perla — Technical Support & Inventory Management Specialist

May 2018 – present

- Provided technical support for the point-of-sale (POS) system, including troubleshooting hardware and software issues, ensuring smooth operation during peak hours.
- Managed and optimized the inventory management system, maintaining accurate stock records, and implementing process improvements to streamline inventory workflows.

Projects

E-commerce website

Apr 2024 – May 2024

- Developed a full-stack e-commerce platform along with an order processing workflow and Content Management System (CMS)
- Integrated PayPal API to authorize payments and implemented dynamic filters for various products
- Designed a responsive layout that will render different React components based on screen width
- Technologies Used: React, Redux, React Router, Node.js, Express, MongoDB, mongoose, Bootstrap

Disease Prediction

Mar 2024 – Apr 2024

- Engineered a robust machine-learning model leveraging Python to predict diseases based on symptom analysis.
- Utilized various classification algorithms including Support Vector Machines (SVM), Naive Bayes, and Random Forest to identify the most effective approach for disease prediction.
- Technologies Used: NumPy, pandas, scikit-learn

Chat Server

Mar 2024 – Apr 2024

- Developed a secure chat server in Python using SSL, sockets, and threading, enabling multiple users to join and chat with one another in real time
- Built a multi-threaded server architecture to handle concurrent user connections efficiently
- Technologies Used: Python, SSL, Signal protocol, threading, sockets, Tkinter

Email Generator

Jan 2023 – Mar 2023

- Developed a web application that generates disposable email addresses using the Temp Mail API
- Integrated real-time email fetching, allowing users to instantly see incoming emails to their temporary address
- Technologies Used: Temp Mail API, Xcode, SwiftUI

Fitness Social Media App

Sep 2022 – Dec 2022

- Developed an app that allows users to view exercises and interact with other users
- Implemented user authentication and data storage using Firebase Authentication and Firestore, ensuring secure and seamless user account management
- Integrated Firebase Analytics to track user engagement and monitor app usage, providing valuable insights for feature improvements
- Technologies Used: Xcode, Firebase Authentication, Firestore, Firebase Analytics, Firebase Cloud Messaging