



Bonnie White

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A reliable programmer with 3+ years of professional experience and 8 years of continuing education in computer science. An ideal team member who values organization, strong communication, and possesses a deep affinity for software development.

Skills

Languages & Frameworks: Python | Java | C++ | C | SQL | Javascript | R | Kotlin | Vue.js | Arduino & Teensy | Bootstrap | Jetpack
Database & Project Management: PHPMysqlAdmin | Postgresql | MongoDB | Lucidchart | Vertabelo | Github | Bitbucket
Tools: VS Code | Jupyter Notebook | Android studio | Eclipse | REST APIs | Virtual Machines | Office 365 | Pandas | Chat GPT

Professional Experience

- Souza Consulting** - Junior Software Developer December 2020 - August 2024
- Engineered 13 geospatial algorithms, reducing a 3-day workflow to an instant drag-and-drop interface, driving consistent sales to WISP industry clients for 3+ years
 - Designed major components for 7 web interface & back-end systems that provide 40% of monthly revenue
 - Constructed and integrated database systems that deliver essential data for clients managing over 10,000 customers
 - Utilized technical leadership skills by outlining and implementing project workflow protocols for up to 12 team members at a time, successfully reducing the CEO's daily workload by 25%
- Stress and Technology Applied Research Laboratory** - Research Assistant Spring 2024
- Collected and post-processed human technology interaction data for over 300 participants in multiple research studies on an environmental control unit (ECU) improving device use for veterans with spinal cord injuries and limited mobility
- We Inspect** - Lead Machine Learning developer | [Project Link](#) Fall 2023
- Led a team of ML developers tasked with constructing a symptom prediction algorithm to aid autoimmune disease symptoms and air quality diagnosis setting the groundwork for future tools and projects at We Inspect
 - Successfully trained the team's highest-performing model with a Convolutional Neural Network model capable of effectively predicting brain-related symptoms given mold types that consistently maintained 85% - 90% accuracy
 - Regularly presented findings to non-technical members, delivering clear and concise information & answers for clarity
- Collectiv** - Software Developer | [Project Link](#) Summer 2023
- Accelerated business lead collection by scripting a tool utilizing Google Places API services and web scraping techniques

Relevant Projects & Leadership Roles

- Politipal** - Team Lead | [Project Link](#) Fall 2022 - Spring 2024
- Architected a Jetpack Compose & Material design 3 supported Android mobile app designed to be a simplified research tool and voting aid for unbiased political data within a modernized interface geared toward users of all backgrounds
 - Rigged 100% of the mobile application's codebase, handling all event logic, data passing, async processing, and list rendering using various Android libraries, ensuring seamless user interactions.
 - Researched verified government data to train an ML model on predicting voting outcomes & rating politician consistency
 - Prompted an LLM to simplify bill language and connected it to a server with endpoints for open interaction with AI tools
- Beach Launch Team: Avionics** - Responsible Engineer | [Project Link](#) Fall 2023 - Spring 2024
- Organized quality design for the Theseus Rocket codebase, improving performance after 4 years of unstable logic
 - Wrote hardware-specific instructions in C++ for valves & igniters on the 180MHz Cortex-M4F microcontroller
 - Reworked avionics protocols by training club members on documentation, git workflows, and scalability concepts
- Cabrillo High School Outreach & FRC Mentor** - Co-Coordinator Fall 2023 - Spring 2024
- Introduced programming basics to students providing tools needed for hands-on exploration with Arduino technology
 - Assisted as a FIRST Robotics software expert & instructor fostering good engineering practices in the students by introducing version control, documentation, research steps, testing and debugging strategies, and critical thinking

Education & Certificates

- California State University, Long Beach:** Computer Science, BS May 2024
Tau Beta Pi | Women In Computing | Beach Launch Team | STEM Advantage | Girls Who Code College Loop President
- Cornell University x UCLA Breakthrough Tech AI:** Machine Learning Foundations Certificate Summer 2023
- Certificate of proficiency: Java** December 2020
- Salesforce Developer Pathfinder Program** Summer 2020
- Girls Who Code Summer Intensive @ Adobe:** Certificate of Completion Summer 2017