

BRIAN HUANG

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TECHNICAL SKILLS

- Languages: C++ (Most Proficient), Python, JavaScript, HTML, CSS, C
- Tools & Technologies: Qt Framework, Django, Git, Microsoft Word, macOS, Windows, Linux

EXPERIENCE & PROJECTS

Project | Weather Forecast App

Project

C++

- Developed a cross-platform desktop weather application using C++ with the Qt framework, integrating real-time data from the OpenWeatherMap API.
- Designed a user-friendly interface that provides current conditions, forecasts, humidity, and temperature data, enhancing user engagement through interactive visualizations.
- Implemented robust error handling, asynchronous API calls, and JSON data parsing to ensure application reliability and efficient performance.

Project | Personal Portfolio Website

Project

HTML & CSS | JavaScript

- Designed and developed a professional portfolio website using HTML, CSS, and JavaScript.
- Showcased personal information, projects, and skills to create a compelling online presence.
- Implemented responsive design principles and optimized website performance for a seamless user experience.

Project | Supermarket Billing App

Project

C++

- Created a robust supermarket billing application using C++ to streamline retail operations.
- Integrated functionalities for product management, billing processes, and inventory tracking.
- Leveraged file handling capabilities to maintain accurate product information and transaction history.

Project | Face Detector

Project

C++

- Developed a real-time face detection and FPS counter application utilizing the OpenCV library and C++, capable of processing live video feeds to identify human faces.
- Implemented deep learning methodologies using a pre-trained Caffe-based Single Shot-Multibox Detector (SSD) model to perform the detection tasks, ensuring high accuracy and performance.

Intern | Mayor's Youth Employment Education Program

June 2018 - May 2019

Professionalism learning and work experience

- Developed strong professional standards, essential for maintaining code quality and collaborative work.
- Conducted detailed research and analysis tasks, reinforcing a data-driven approach to problem-solving and decision-making in projects.

EDUCATION

University of California, Santa Cruz - Bachelors of Science, Computer Science, GPA 3.91, Dean's Honors List	2021-2023
University of California, Davis - Transferred from UCSC Bachelors of Science, Computer Science Regents	2023-2025

NOTABLE COURSES

Data Structures and Algorithms, Object Oriented Programming, Discrete Math, Computer Systems