Travis Peach

travispeachohyeah@gmail.com| 408-7074-227 | linkedin.com/in/travis-peach-4b5978113/ | github/AuthenticPeach

Education

BS Computer Engineering *Graduated: December 2024*

San Jose State University | College of Engineering

- **Organizations:** Software and Computer Engineering Society
- **Relevant Coursework:** Digital Design I & II, Microprocessor Design, Computer Architecture, Embedded Systems Design, Real-Time Embedded Systems, Autonomous Mobile Robotics, IoT, Computer Networks, Compiler Design

Experience

MacBlowouts Inc., Senior *Technician* *San Jose, CA | June 2018 - January 2025*

- Diagnosed and repaired Apple hardware, including MacBooks, iPhones, and iMacs, exceeding Genius Bar expertise.
- Supervised junior technicians, ensuring high-quality work and timely delivery of repair projects
- Delivered professional customer support, guiding clients through troubleshooting hardware and software issues in person and remotely.

Projects

Food Delivery Robot (Senior Design Project)

- Designed and developed an autonomous food delivery robot powered by a Raspberry Pi and STM32-based ROS control board.
- Integrated GPS, LiDAR, and a Raspberry Pi Camera for localization and object detection.
- Collaborated on motor control and sensor fusion algorithms for real-time navigation and delivery.

Air Quality Sensing Hub (IoT Class Project)

- Built an IoT hub using Raspberry Pi Pico and various sensors to monitor air quality around 3D printers.
- Visualized data for 4 sensor inputs with a React-based UI, improving data accessibility and user interaction..
- Developed the project in 4 months, with a focus on real-time data collection and visualization.

3D Printed Arduino Servo Robot Arm

- Designed and 3D-printed custom parts for an Arduino-controlled robotic arm.
- Programmed servo motor movements using C++ and Arduino IDE to perform basic tasks.
- Experimented with real-time control and improved mechanical stability through iterative prototyping.

Arduino Obstacle-Avoiding Robot Car (Autonomous Mobile Robotics Project)

- Developed an Arduino obstacle-avoiding robot using ultrasonic and IR sensors with DC motors.
- Implemented a PID control algorithm to maintain accurate and smooth navigation.

Skills

Languages: C (5 years), C++ (2 years), Python (3 years), Embedded C (2 years)
Hardware Tools: PCB Design (2 years – KiCad, Altium), Lab Equipment (3 years – oscilloscopes, logic analyzers), Soldering & Rework (3 years)
Software Tools: Linux (2 years), ROS (1.5 years), MATLAB (1.5 years), Git (4 years)
Other: 3D Printing & CAD Design (3 years), IoT Development (1 year), Real-Time Systems (2 years)