

# Joshua Paul

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## WORK EXPERIENCE

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### Boiling Point

June 2018 – Present

*Supervisor*

*Chino Hills, CA*

- Capability to lead a wide range of employees to maintain an efficient workflow exceeding the restaurant required standards.
- Responsible for resolving problems internally and externally, such as with customers or employees, resulting in me being a proactive problem solver with strong communication and interpersonal skills.

### SpaceX (Contract)

Nov. – December 2023

*Production Assistant*

*Hawthorne, CA*

- Repurposed older Starlink kits converting user terminal components for different electrical/mechanical uses internationally.
- Executed equipment maintenance and calibration to meet and exceed industrial and commercial standards.
- Proficient in handling logistics, scheduling, and managing inventory to keep things organized and on schedule for the project at hand. Project was supposed to be for one month but was finished in three weeks.

## EDUCATION

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### California State Polytechnic University Pomona

*B.S Computer Engineering*

*Pomona, CA*

- Relevant Coursework
  - Microcontrollers
  - Object Oriented Programming
  - Digital Logic and Circuit Design using Verilog
  - Operating Systems for Embedded Applications
  - Data structures and Algorithms
  - Computer Architecture

## PROJECTS

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- Flying Unmanned Ground Drone “Kepler-1708b” (NASA Minds 2023 Competition)
  - Group Senior project, specifically working on the sensors portion (360 RPLidar and ultrasonic sensors)
  - Mainframe built around a Linux operated Raspberry Pi
  - 360 degree 12 meter Lidar sensor using 2D point cloud data
  - Ardupilot software integrated in Navio2 for autonomous driving
- Various Microcontroller (PIC18F4620, STM32) and FPGA (Nexys A7-100T) Projects
  - Adjustable Time Digital Alarm Clock
  - VGA Game of Tag
  - Streetlight
  - Adjustable Fan
  - Multi-bit BCD Calculator
  - FreeRTOS
- Blackjack game (Python)
- Gmail to Excel Extractor (Python)

[Github Portfolio Website](#)

[Link to Project Demonstrations](#)

## SKILLS

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- Verilog, Python, C, C++ Verilog, Xilinx, LabVIEW, Microcontrollers, FPGAs, Visual Studio Code, Linux, HTML, Assembly, Java, JavaScript, Object Oriented Programming, STM32, I2C, UART, RTOS