

< CALLUM PICKARD />

JUNIOR DEVELOPER

CONTACT

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EDUCATION

Software Engineering

HyperionDev
Cape Town
July 2022 - October 2022

Chinese Language

HLS Manadarin School
Cape Town
July 2021 - July 2022

Digital Design & Publishing

FOD, Academy of digital Arts
Jan 2012 - Decmber 2012
Cape Town

SKILLS

C#
Python
Java
SQL
React
JavaScript
NodeJS
HTML
CSS
Bash

IOT/Arduino/Raspberry Pi
Object Orientated Programming
Machine Learning

Sublime
Eclipse
VS Code
Conda
NodeRED

CAREER OBJECTIVE

Junior developer with limited formal work experience. Broad experience in entertainment industry using microcontrollers, LED arrays and RaspberryPi/Arduino. Recently completed a Software Engineering bootcamp to expand on previous knowledge, looking to work with experienced developers and learn best practices, push boundaries and stay current. Learning all the time, passion is everything, languages are mine, both written and spoken.

WORK EXPERIENCE

PROJECT LEAD

ThingKing Studios

2016 - 2018 (contract based)

- Worked alongside developers and electrical engineers to accomplish interactive compenents for installations.
- Implemented technical and responsive installations in high exposure locations.
- Designed and fabricated large scale interactive experiences from concept to creation.
- 3D modelled and presented technical drawings for Engineering approval and outsourced fabrication.
- Installed MIDI controlled LED arrays for realtime music experiences and made LED matrixes for live hashtag displays.
- Regulary used APIs and performed onsite maintainence of WIFI/GPRS controlled microcontroller systems.

ARTIST

Public Artworks - Personal

2008 - Present

- Familiarity iimplementing arduino enviroments, used responsive lighting and other basic creative coding often in my artoworks for many years.
- Worked as a member of a touring fabrication team, was responsible for the eletronic elements and have a good understanding of projection mapping and LED mapping software (MadMapper in particular). - Hardware and neat, meticulous wiring fanatic.
- Created numerous IOT projects, and have an affinity for the the RaspberryPi. Familiar with PWM, GPIO and pin control of microcontrollers through arduino environements, nodeRED and by using bash directly.
- Released a successful NFT project in 2019, learned about the web3 space. Not a fanatic, but very familiar with smart contracts and a strong understanding of the blockchain environment Sand solidity. Especially regarding the importance of code optimization regarding gas consumption and lessons regarding databases and information storage.