

Mike Schroffel

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Education

California Institute of the Arts

BFA IN THEATRE SOUND DESIGN

Santa Clarita

1997 – 2002

Experience

Hala Systems

PRINCIPAL ENGINEER - HARDWARE

- Designed, analyzed, fabricated, and prototyped IoT solutions for an FM radio warning system
- Built iOS native and Android (react native) versions of audio capture software to facilitate the recording of war crimes
- Prototyped and analyzed a variety of satellite based communications systems
- Leveraged AWS infrastructure for processing and storage of data

Los Angeles CA

April 2020 – Present

Unit9

CREATIVE TECHNOLOGIST

- Designed, built, and implemented immersive branded experiential content
- Worked with clients from pitch through execution to relay ideas and resolve issues
- Developed electronics prototypes for discovery projects
- worked with teams to facilitate creation of websites and AR experiences

Los Angeles CA

October 2017 – January 2020

No Gods, No Masters

CREATIVE TECHNOLOGIST

- Architected a range of projects for clients in advertising to nonprofit
- Led research and discovery phases of new projects
- Engineered and implemented an RFID-based flight check-in system for a KLM pop-up event in San Francisco
- Designed and constructed an early warning system for the Syrian Civil Defense
- Developed an open source Python library to interface with Iridium satellite modem

Los Angeles CA

September 2016 – September 2017

CineCert

MEMBER OF THE TECHNICAL STAFF

- Created scripts to automate binary software distributions for client deployment on Linux, Unix, Mac OS, and Windows: Make, CMake, libtool, cvs
- Managed, monitored, and administered the internal infrastructure: Nagios
- Created and managed a library of QA testing scripts: Python, and BASH
- Built a script to scrape our APIs and turn that data into documentation. Saving 100s of hours of documentation writing
- Provided technical support for our clients, built and managed ticketing system using Trac
- Built tools to integrate spreadsheet data into SQL, MySQL, PostgreSQL, MongoDB

Los Angeles CA

November 2011 – September 2016

Chalice Recording Studio

CHIEF TECHNICIAN

- Maintenance of all equipment down to the component level
- Management and mentorship of assistant engineers, runners, and interns
- Commissioned and decommissioned large format recording consoles
- Studio wiring and design
- Oversaw equipment purchases
- Maintenance of digital audio workstations

Los Angeles CA

2005 – 2011

Skills

Javascript, Python, React, AWS infrastructure, CAD, PCB Layout

Projects

BBG Master Control Room

A WEB BASED SCHEDULING AND STREAMING VIDEO ROUTING SERVICE

Javascript, AWS infrastructure

<https://mikeschroffel.pizza/en/work/bbgmcr/>

Flex Rental Solutions Distiller

Python, AWS infrastructure

A DASHBOARD THAT PROVIDES PROFOUND AND SIMPLE TO READ INSIGHTS INTO A MASSIVE RENTAL SYSTEM

<https://mikeschroffel.pizza/en/work/flexdistiller/>

Piñatabot5000

Javascript, AWS IoT, Pneumatics

A REAL LIFE PIÑATA SMASHING ROBOT POWERED BY A WEBSITE THAT PESTERED YOU WITH CAPTCHAS

<http://pinatabot5000.xyz/>

Awards

2019	Gold Cannes Lion , Gold Lion for Design/Data Vizualization - The Most Dangerous Street was a walk-through installation in a Chicago alleyway that maps the deaths of 38 local citizens due to gun violence.	Cannes Lions
2018	Silver Pencil , Recognized for creative technology on Amazon Echo Escape an immersive Alexa based escape room at Comic Con NYC	Oneshow
2017-2020	FWA of the day , Twitch Twitcherverse Flamagra Store Front Prudential Escape Room Miller Cantroller	FWA