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Nikos Aghazarian

Electrical Engineering, 2022

WORK EXPERIENCE

- Database Admin Apprenticeship
  - Employer: UC Davis Information & Education Technologies
  - October 2020 - Present
  - Oracle Infrastructure Automation and Scripts

SKILLS

- Verilog
- Circuit Analysis
- CMOS design parameter analysis
- Digital test benching and timing analysis
- Antenna Analysis
- Matlab
- C
- GPIO/Microcontroller programming
- Command Line Tools
- Unix Networking Tools
- Javascript
- SQL
- Team Oriented Learning and Planning

PREVIOUS PROJECTS

- *Simple Amp:* AA-battery powered amplifier to boost signal strength for desk speakers. Simple filters to reduce noise on output audio.
- *Server Upgrade Script:* Ansible playbooks to fully establish Oracle Database 19c installations and OEM 13 on fresh RHEL 8 servers. Runs via AWX and pulls all sensitive data from a Hashicorp Vault.
- *Wave Function Visualizer*: A simple MATLAB app to allow users to view and manipulate ideal and fourier waveforms.
- *Distance-based Light Strip controller*: A program to control an LED strip based on distance from an ultrasonic detector.
- *Connect 4*: An Express-based game of Connect 4 built on Electron.
- *Greywater System Monitor*: A monitor for a non-internet-enabled greywater irrigation system. Utilizes OCR to read a display and check for offline alerts.
- *Home Internet Monitor System*: Tracks and stores HTTP response times from select webpages.

EDUCATION

University of California Davis

Sept. 2018 - Present

Electrical Engineering B.S. in progress. **Current GPA: 3.8**