KEVIN **CHAN**

kevchan129@gmail.com | 650-773-8885 | San Jose, CA 95126 | https://eegithubuser.github.io/kevchan.github.io

Projects

Personalized Coaching Web Application (Flask, SQLAlchemy, Docker, Raspberry Pi, Unittest)
GitHub link: https://github.com/EEgithubUser/coachingwebapp
• Developed a full-stack web app that provides access for users to personalized health/fitness coaching
• Utilized SQLAlchemy to manage extensive backend user database of calorie counting, nutrition tracking, weight logging, and food journaling for multiple user profiles encrypted through SHA-256 user authentication login methods
• Resulted in users weight loss of over 70 pounds and increased contractile muscle tissue of over 50 pounds

Overdue Laboratory Equipment Script (Selenium WebDriver)
GitHub link: https://github.com/EEgithubUser/equipmentcalibration
• Wrote and implemented Python scripts to automate shipment/pickup requests for overdue electrical lab equipment
• Automated web browser launching, populating form control input fields, managing multiple running tabs, implicit and explicit wait times, and dropdown menu selection using Selenium WebDriver

Employee Weekend Work Notifier (Openpyxl, Smtplib)
GitHub link: https://github.com/EEgithubUser/weekendworknotifier
• Developed a Python script to easily log and create custom Excel spreadsheets listing the status of employees who opt in to work on the weekend
• Implemented Python's Openpyxl package to automate Excel document creation and Python's Smtplib package to automate weekly emails

Automated Weekly Report Generator (Openpyxl, Docx, Smtplib)
GitHub link: https://github.com/EEgithubUser/reportgenerator
• Created a Python script to automate weekly generation of Excel spreadsheets that logs daily passdowns for the current week by scraping notes from a separate Microsoft Word document

Work Experience

KLA Corporation — Milpitas, CA
Lead Test Engineer - Laser Scan Optics Team — Jan 2018 - Present
• Led team of 13 Test Engineers in project management by reducing cycle time and optimizing workflow, resulting in 50% increase in camera shipments (Q/Q) and fulfilling record number of customer demands for Q1
• Modify automated Python scripts to support newly calibrated light level settings of test fixtures
• Initiate custom scripts to sample and configure DAC voltages under Linux environment
• Manipulate various timing and HDD clock signals using Bash shell commands to eliminate pixel noise spikes

Education

San Jose State University — San Jose, CA
B.S.E. Electrical Engineering — August 2015 - May 2017
• Relevant Coursework: Data Structures and Algorithms; Object Oriented Programming; Circuit Logic Design

Skills

Languages: Proficient in Python; Familiar with C++, Javascript, HTML, CSS
Technologies: Flask, SQLAlchemy, Docker, Linux, Bash, Git, Selenium WebDriver

Interests

Basketball · Football · Kinesiology · Athletics · Fitness · Nutrition · Finance and Investments · Personal Development