

Andrew Leon

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Skills

- **Languages:** Python, JavaScript, HTML/CSS, React, mySQL
- **Software:** Visual Studio Code, Git, Ubuntu
- **Hardware:** Arduino, Raspberry Pi

Experience

SOFTWARE ENGINEER | TERADEK | NOVEMBER, 2021 - CURRENT

- Using **Appium**, **Selenium**, and **Python**, developed a *mobile and web app test automation framework* which verifies Teradek's apps and logs information for QA.
- Using **JavaScript**, **HTML**, **CSS**, and an **Apache Server**, developed a website to provide a graphical overview of test automation logs.

Personal Projects

RGB LED STRIP MUSIC VISUALIZER

- Using an **Arduino**, WS2812B LED Strip, and some **Python** and **C** programming, developed a system which receives audio from a computer's audio input stream and displays, in real-time, an *audio spectrogram* on the LED strip.

University Projects

UCI FELLOWSHIP AND REMISSION WEB APP

- Using **React**, built the front end of a web app for UCI's Graduate Division which manages the fellowships and remissions of all UCI graduate students.

WEB CRAWLER & SEARCH ENGINE

- Wrote a *web search engine* in **Python** that stores an inverted index on disk, is capable of handling 10,000s of web pages, and responds to queries in under 300ms.
- Developed a *polite web crawler* in **Python** capable of downloading 1000s of webpages.

Education

B.S | 2020 | UC IRVINE

- **Major:** Software Engineering
- **Related coursework:** Java, C++, JavaScript, and Python Programming; Data Structures; Object-Oriented Design; Database Management Systems; Computer Organization & Architecture; Software Quality Testing