

Software developer who enjoys leveraging troubleshooting strengths and programming knowledge to create unique solutions while gaining new skills.

SKILLS

- Python
- Javascript
- HTML/CSS
- C/C++
- Flask
- Git
- SQL
- OpenCV
- Linux
- Raspberry Pi
- Arduino
- 3D Modeling

PROJECTS

Guest Check-In Kiosk - *HTML/CSS, Flask, Raspberry Pi, Google Sheets API*

- Transformed outdated guest log-in process into an efficient digital process
- Integrated Google Sheets API to capture guest entry
- Utilized Flask to automate logging and issuing of guest physical temporary IDs

Digital Signage Solution - *Tkinter, Python, Raspberry PiZero, Google Drive API*

- Created an affordable, user-friendly solution for managing digital signage
- Integrated Google Drive API to allow users to easily add and remove images to displays
- Set PiZero to query the Google Drive API at set intervals and display updated content with Tkinter

Cloud-Based Automotive Diagnostics - *React, Python, Raspberry PiZero, Firebase*

- Built an IOT-connected automotive CANbus scanner that allows for real time vehicle performance monitoring
- Crafted web based low latency dashboard in React to display live data
- Integrated PiZero and OBDII scanner into a single module that connects car data to Google's Firebase Database API with Python

Hack Lab Club Mentor - *Soldering, Laser Cutting, 3D Printing, Digital Manufacturing*

- Lead a cross-functional team creating activities and virtual workshops to teach students coding and digital manufacturing skills
- Run weekly Lunch N' Code events offering students further support for projects such as python and 3D modeling
- Create take home STEM kits to allow students to participate in afterschool workshops

EMPLOYMENT

Technology Coordinator | Chicago Public Schools | Chicago, IL

Feb 2014 – Present

- Maintain and support an inventory of 1,200 devices deployed to students for remote learning
- Work with students and staff remotely to identify and support individual needs

Training & Special Tool Support | Navistar | Woodridge, IL

May 2013 – Jan 2014

- Worked closely with engineers and technical writers to design and build classroom training aids
- Collaborated with development groups to prototype new dealership service tools for upcoming engine and hardware revisions

EDUCATION

Roosevelt University | B.A. Integrated Marketing Communications | Chicago, IL

Aug 2010 - May 2014