Aayla "Crash" Fetzer

PERSONAL DETAILS

Location	Denver, CO
Phone	▮▮▮▮▮▮▮
Pronouns	they/them
Email	aayla@aayla.dev
GitHub	github.com/aaylafetzer

SKILLS

Languages	Python, Rust, PHP, JavaScript
Technologies	Linux, Nginx, Apache, MySQL, pgSQL, REST, Docker
Tools	Git, Slack, Trello, Shopify, Postman

EDUCATION

B.Sc. Computer Science   Jan. 2020 - Coronavirus
Metropolitan State University
With minors in Math and Economics

CompTIA CySA+   2019
Aims Community College

WORK EXPERIENCE

Lead Script & Web Developer   September 2020 - Present
Socialist Rifle Association, Full-time

- Develop and maintain SRA websites, web services, and server infrastructure
- Develop scripts to automate the tasks of SRA staff, saving several hundred labor hours to date
- Created SRA Merch store with Shopify

Contract Engineer   May 2020 - Promoted
Socialist Rifle Association, Part-time

- Install and configure Tendenci for membership management
- Create a translation layer with Python Django between JoinIt and Discourse to automatically add new members to a forum

Data Analytics Intern   Jan. 2019 - Jul. 2019
Areté Associates, Part-time

- Developed and implementing a phase correlation algorithm in Python and C++ to detect and track subpixel objects in real time
- Developed a binary file format to hold camera frames compressed with the Lempel-Ziv-Markov Chain and PAQ8L Algorithms
- Developed a Python script to automatically extract and organize data from proprietary formats through a GUI

SIDE PROJECTS

ImagePurge
https://github.com/aaylafetzer/ImagePurge
A Rust Computer Vision application to find and remove faces from pictures using the Funnel-Structured Cascade algorithm

Webcam Simulator
https://github.com/aaylafetzer/webcamSimulation
A Python program that uses the v4l2loopback kernel module, OpenCV, and ffmpeg to turn any image or collection of video files into a fake webcam