Alexander Gharibian

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EDUCATION

PURDUE UNIVERSITY
BS in Computer Science
Exp. May 2019 | West Lafayette, IN
Conc. in Systems Programming & Software Engineering
College of Science
GPA: 3.41 / 4.0

LINKS

http://**gharibian.xyz**
Github:// **agharibi**
LinkedIn:// **alexandergharibian**

COURSEWORK

CS 252: Systems Programming
CS 381: Analysis of Algorithms
CS 354: Operating Systems
CS 422: Computer Networks

LANGUAGES

C	Intermediate/Advanced
C++	Intermediate/Advanced
Python	Intermediate/Advanced
Go	Intermediate
Shell	Intermediate
MySQL	Intermediate
Java	Intermediate
LaTeX	Intermediate

TECHNICAL SKILLS

Linux and Unix Proficiency
- Command Line (bash)
- Version Control (git)

Web Development
- HTML
- CSS
- JavaScript
- Node.js

EXPERIENCE

RED HAT Software Development Intern
June 2017 – August 2017 | Westford, MA
- Worked on *linchpin*, an open source hybrid cloud orchestration command line tool built on Ansible written in Python
- Added *linchpin fetch* using the Click library, which fetches remote linchpin configurations and integrates them into the working project allowing the user to quickly boot previous configurations with one command

RED HAT Performance Engineering Intern
May 2018 – Present | Westford, MA
- Contributed to a project know as *Machine Learning Container Creator* (MLCC) that installs a user's desired machine learning packages in a container based on the environment and ensure that they perform to the system's capabilities
- Created ML app using OpenCV and TensorFlow that identifies handwritten digits via camera to demonstrate the MLCC workflow

PROJECTS

HANDWRITTEN DIGIT IDENTIFIER
July 2018 - Present
A machine learning program that uses OpenCV and the TensorFlow Python framework to identify handwritten digits via a live camera feed. The program can either train a convolutional neural network or read in a pretrained model before identifying the handwritten digits.

PATHFYNDER
January 2017 – August 2017
A website that will allow students from each university to be able to rate courses, internships, dining courts, and other aspects of campus life. As team leader, I managed a team of five peers as well as contributed to the development of the project.

SUPER SNAKE
August 2017 – December 2017
A simple snake game built on JavaScript that extends the functionality of the classic arcade game with local and online multiplayer modes.

COMMUNITY ENGAGEMENT & LEADERSHIP

PURDUE HACKERS
August 2015 – Present | Purdue University
A student run organization that is dedicated to expanding a community of programmers and to inspire greatness among all members.

PURDUE CREW | Webmaster
September 2017 – Present | Purdue University
Avid member of the Purdue Crew, where teamwork and persistence is emphasized as well as maintaining athleticism and pride for one another. My role was to manage the team's website.

ARLINGTON-BELMONT CREW | Varisty Men's Team Captain
September 2014 – June 2015 | Belmont, MA
Led my team to multiple state championships and the ability to compete at a national level in Sarasota, FL.