

Malcolm Grossman

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RELEVANT SKILLS

PROGRAMMING

- Python, Java, Ruby, Bash
- C, Latex, Javascript
- Project Management
- Git, test-driven development, Backend development

OTHER SKILLS

- Computer hardware and systems
- Significant experience with Arch and Kali linux
- Server installation and management

LINKS

- LinkedIn:// malcolmgrossman
- Git:// grossmanm

INTERESTS AND PASSIONS

- Making tools for dungeons and dragons players and GM's are my favorite side projects.
- I really enjoy messing around with computers both physically and in the code.
- I like making machine learning algorithms that detect strange things.
Roomba-Detection is an example on my GitHub

WORK EXPERIENCE

CONVERSANT MEDIA | TECHNICAL APPRENTICE JUNE 2019-JUNE 2020

- Aided in server installation and upkeep onsite at the data center and remotely from the office.
- Wrote configuration specs for new servers for a variety of services ranging from monitoring to git branch testing.
- Modularized, Optimized, and debugged sections of codebase to aid in the growth of our development and production environments.

PULMONARY FIBROSIS FOUNDATION | INTERN JUNE-AUGUST 2016

- Used knowledge of computers to train employees in work management software to decrease need for meetings and increase productivity

PROJECTS

OPTICAL FLOW SENSOR | GROUP PROJECT

- Implemented Lucas-Kannade Optical flow algorithm using python to calculate lateral velocity of objects across a camera with an error of 1 pxl/s
- Combined Optical Flow code with teammate that was able to calculate height to obtain lateral velocity in m/s with an error of 5 cm/s

STORYTELLING WITH SKYNET | GROUP PROJECT

- Developed Neural Network using Tensorflow in python to generate sequential text.
- Implemented using RNN with LSTM and Sequence to sequence to evaluate text on a sentence level.

EDUCATION

CARLETON COLLEGE 2015-2019

BA: Computer Science – June 2019
Relevant Coursework: Linear Algebra, Computer Security, Natural Language Processing, Database Systems Major GPA: 3.42

ACTIVITIES/LEADERSHIP

MEMBER & ADMINISTRATOR, ST. OLAF - CARLETON ENGINEERING TEAM SEPTEMBER 2016-2019

- Established education and style guidelines for GitHub and coding practices