Dylan Gerloski

Phone Number: 773-266-4534
Email: dylanger2525@gmail.com
www.linkedin.com/in/dylan-gerloski
https://dylangerloski.github.io/DylanG

Education

University:	**Texas Tech University, Lubbock TX**
	Expected graduation May 2021
Major:	**Computer Science**
Scholarships:	**Presidential Scholarship**
Cumulative GPA:	**3.36/4.0**

Education Abroad

University:	**The University of Sydney (Sydney, Australia)**
	Spring 2019

Projects/Technical Skills

Texas Tech University, Lubbock TX

All projects can be viewed on my GitHub page located here: https://github.com/DylanGerloski

Portfolio Website
URL: https://dylangerloski.github.io/DylanG

- A website to display some of my recent projects
- Built from scratch using React
- Fully responsive, automatically adjusts content to fit screen size

Atomination
Spring 2019

- Java desktop game similar to minesweeper
- GUI and terminal version available
- OOP implementation
- Further rules and features can be found on the readme on my GitHub page

Machine Learning Classifiers
Spring 2019

- Designed and implanted KNN and Naïve Bayes classifiers from scratch in Java
- Built with only the standard Java libraries
- Allows user to test accuracy of classifier by running K-fold validation

Movie Recommendation System
Fall 2020

- Collaborative machine learning project
- Built an application that gives users movie recommendations based on previous viewing habits
- Displayed movie recommendations using R's shiny dashboard library
- Tools Implemented

R	Data preprocessing
Collaborative filtering	Correlation matrix K
nearest neighbor	

Linux/ C Projects
Fall 2020

- Used Oracle virtual machine with Ubuntu to complete multiple mini projects using a Linux VM ○ Built a basic shell interpreter that executes basic command line arguments ○ Used threads to parallelize a computationally expensive program that generates images from the Mandelbrot set. (Project is similar to the one found here
  http://www3.nd.edu/~cpoellab/teaching/cse30341/project3.html)
  - Exploited a buffer overflow vulnerability
  - Downloaded, compiled, and explored the Linux Kernel source files

Social Engagement

Pi Kappa Phi Fraternity
Texas Tech University, Lubbock TX
Active member Fall 2016-present
Secretary Fall 2018 – Spring 2019

- Maintained calendar for fraternity events
- Responsible for communication within fraternity

Work Experience

RDG Construction Lockport, IL Reference: Bob Gomolski – (630) 333-8893
Warehouse Laborer, Summer 2019

- Maintained materials in warehouse
- Assisted in onsite jobs such as delivering work material or preforming labor