Dylan Gerloski

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

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.

"OkDoggo" Pet Adoption Application
Fall 2020

- Collaborative senior capstone project
- Built a Java android app that allows users to locate nearby animal shelters and view pet profiles that are available for adoption (functional but not ready for deployment)
- Wrote code for xml layouts, database entries and retrievals, and various functionalities of the app
- Source code, class diagrams, sequence diagrams, use cases etc. available upon request
- Tools Implemented

Android Studio	Google Maps API
Google Firebase	Pet Finder API

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

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

Relevant Course Work

Texas Tech University, Lubbock TX

University of Sydney, Sydney Australia

Data Structures	Theory of Automata
Assembly Language Programming	Design/Analysis of Algorithms
Operating Systems	Object Oriented Programming (University of Sydney)
Discrete Mathematics	Linear Algebra
Computer Networks	Database Management Systems
Machine learning	Intro to Artificial Intelligence (University of Sydney)

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