Phillip Malone

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EDUCATION

Bachelor of Science in Computer Science Minor in Mathematics   May 2019

Texas State University - College of Science & Engineering - ABET Accredited Program – San Marcos, Texas

Relevant Coursework

- Parallel Programming
  - Given complex algorithms, I was tasked with coming up with the correct way to parallelize the algorithms in various ways.
- Intro to Machine Learning
  - My team was given a small set of data and asked to implement basic machine learning algorithms.
- Computer Security
  - Assigned to a team to implement several basic security measures and break others. We were to meet 3 times a week to use the lab that had computers fit for the tasks we were given.
- Unix System Programming
  - We were placed in teams to recreate several functions that can already be done in a Unix environment

TECHNICAL SKILLS

- Languages – C++, Python, Java, Shell Script, HTML
- Algorithms – K Means, Hierarchical Clustering, Linear Regression
- Parallelization Methods – OpenMP, CUDA, MPI, pthreads, process forking

PROJECTS

- The UnderDragon   October 2013 – April 2014
  - A side scrolling platformer game of my own design under the advisement of a person in the industry.
- Dragon Incursion   January 2015 – April 2016
  - The sequel to the game made a year earlier made with a team of 3 students under the advisement of a person in the industry. (Project Lead)
- SSH   April 2018
  - Working with a team we were tasked with recreating a SSH environment with several Linux commands
- HTMLread   October 2018
  - The task was to take a few pages of HTML code and print out the data for specific information.
- Reviewer Pre-evaluation   December 2018
  - Given publicly available information gathered off of personal websites, the objective of the algorithm was to determine if the selected person would be a good candidate for a member of the Review Board of the journal I worked at.
- 3 way Parallelization of 3 algorithms   February 2019 – April 2019
  - Given 3 algorthims, collatz, fractal, and nbody, the task was to parallelize the algorithms with 3 different parallelization methods, MPI, CUDA, OpenMP
- Change   July 2019 – Present
  - A massive game where the style changes with the look of the main character.

RELATED WORK EXPERIENCE

Lead Editorial Assistant   July 2017 – May 2019

International Journal of Applied Intelligence, Comal – San Marcos, Texas

- Evaluate performance of Review and Editorial Board members
- Proofread scientific articles for publication
- Find and contact potential Board members from around the world
- Publish the official newsletter for the journal
- Update and maintain the website for the journal and multiple small databases
- Assign duties to co-workers