Levon Kalantarian

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github.com/lkalant | lkalant.github.io/lk

EDUCATION

University of Texas at Dallas
M.S. in Computer Science, 2023 GPA: 3.67
B.S. in Neuroscience and Biology (double major), 2010

Current coursework:
  Graduate Database Design
  Web Development (online self-paced, including JavaScript, CSS, SQL, MongoDB)
  Java (online self-paced, including working with SQL)

Completed coursework:
  Graduate Algorithm Analysis and Data Structures, Linear Algebra, Computer Architecture, Probability and Statistics in CS/SE, Discrete Math 1 & 2, Calculus 1 & 2, Physics for Bioscience 1 & 2, Statistics for Life Sciences, Computer Science 1 & 2 (C++)

SKILLS

Java, C++, HTML, UNIX shell scripting (bash), C, Python, MIPS assembly, Some exposure to C#
  Various tools/IDEs used: VS Code, Visual Studio, IntelliJ, Eclipse, XCode, WordPress, MySQL Workbench

PROJECTS

Word Puzzle Solver   Fall 2020
Academic Project   *Java*
  – Wrote a program to create different sized 2D puzzles of random characters and quickly solve them
  – A dictionary .txt file is imported into a hash table and used via linear probing to check for all occurrences of words
  – The use of hash table lookups potentially results runtimes faster by orders of magnitude, especially for larger grids
  – The program includes a regular and a more enhanced algorithm, showing the runtimes of each in milliseconds for comparison

Minimum Spanning Tree   Fall 2020
Academic Project   *Java*
  – A program that reads a .csv file containing a graph of interconnected cities and their distances, and prints the connections needed for the least road distance to connect all the cities
  – The input file can be modified or expanded while in adjacency list format to process varying amounts of data
  – Demonstrates the use of a hash table, a disjoint set, and Kruskal's algorithm to generate a minimum spanning tree of all the nodes

EXPERIENCE

iCode LLC, Frisco, Texas   Aug 2019 - Mar 2020
CS/Programming Instructor   *part time*
  – Gave lessons including Python and Raspberry Pi to students from grades 3-12
  – Taught coding concepts including variables, code blocks, conditional statements, loops, methods, and libraries
  – Helped students to write and debug their own code in Python
  – Covered other topics including IDEs, operating systems, memory, and numbering systems

GEICO, Richardson, Texas   Dec 2016 – May 2017
Liability Claims Representative   *full time*
– Worked in a call center as an adjuster, handling auto insurance claims
– Gathered and analyzed various accident details and information, before making liability decisions
– Interacted with different policyholders, insurance companies, law offices, field adjusters, and auto repair shops

UT Southwestern Medical Center, Dallas, Texas   Aug 2011 – Nov 2016
Research Technician II   *full time*
– Worked in sequencing core on campus, processing DNA samples for other UTSW labs
– Helped customers from other labs with sequencing results analysis, troubleshooting, accounts, and billing
– Worked with, helped maintain, and did 1st level troubleshooting of sequencing machines/computers and other lab equipment
– Suggested new features/changes and provided testing/feedback to the department's web app developer for the sequencing core app being used