Nikos Koufos

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Targeting a Software Engineering Internship or Entry-level Opportunity

Education

Penn State Behrend, Erie Pa – Major in Software Engineering, Minor in Computer Science and Computer Engineering, Graduation: May 2019

Academic Experience

Computer Science Courses: Discrete Mathematics, Operating Systems, C++, Java and Python, Data Structures and Algorithms

Software Engineering Courses: Software Engineering and design concepts, Design Patterns for Object oriented programming, Embedded Systems, and Software Testing and Validation

Computer Engineering Course: Assembly Language, Boolean Algebra, logic gates and circuitry

Programming skills

Java, C++/C, SQL, Python, SQL, Html/Css, Assembly, and JavaScript

Projects

AI project: Spring 2017

    Implemented Dijkstra algorithm in conjunction with matrix to find quickest path between nodes in addition to finding the closest of the target nodes

Parking System Project: Fall 2017

    Created a full scale parking system, storing registered parkers and vehicles in a database
    Offered options for faculty to issue tickets and query the database

Paint project: Fall 2016

    Applied Inheritance to shapes to add individual specs
    Gained experience using Arrays and Vectors to store information
    Created custom GUI using polymorphism
    Designed Save Open functions using Data streams and File I/O
    Utilized Information and Implementation Hiding to apply encapsulation and visibility

Dance Dance Revolution Project: Spring 2017

    Learned to program a Basys 3 board using VHDL to implement multiplexers, encoders, decoders, lfsrs, adders, and dflip-flops to make a game on a seven segment display.

Experiences

Adamant, Online programmer intern   November 2017 – Current

    Worked with team to apply Computer Science concepts to mobile apps

Amazon, Carlisle pa - Associate   July 2016 - August 2016

    Utilized communication skills in order to fulfill orders efficiently