Tahmid Khan

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Education

University of California San Diego
B.S Computer Science
Minor in Mathematics

September 2015 – Present
Major GPA: 3.83

Coursework

Algorithms

Theory of Computation

C and Java Programming

Programming Languages

Discrete Mathematics

Software Tools and Techniques

Data Structures and Object-Oriented Programming

Computer Organization and System Programs

Math for Algorithms and System Analysis

Digital Components and Design

Advanced Data Structures

Links

Personal | https://tahmidk.github.io

GitHub | https://github.com/tahmidk

LinkedIn | www.linkedin.com/in/tahmidhkhan

Skills

Programming
HTML, CSS, Javascript
Python
Java
C, C#, and C++
ARM Assembly
OCaml
Prolog
Verilog HDL

Statistics
R Statistical Programming

Software
Git
Android Studio
R Studio
Unity Game Engine and 3DSMax
Quartus Prime
ModelSim Altera

Projects

Unity Game Project – Modern Chess
2017 – Present | University of California San Diego
- Designed a fully function 3D Unity game using the Unity editor. Programmed object oriented and well-encapsulated scripts and game logic in C#. Worked with 3DSMax for basic game object designs
- Gained expertise in source control using GitHub

Modular Mini-CPU FPGA Design
Summer 2017 | University of California San Diego
- Designed a digital circuit for the mini-CPU and programmed circuit into an FPGA using the Verilog HDL
- CPU takes an input at each clock cycle and parses the data and the instruction before completing the operation and returning the appropriate output

Android Emoji Keyboard
2016 – 17 | University of California Los Angeles
- Programmed android keyboard with a button to insert emojis based on facial expression using Microsoft's cognitive recognition API in a team of 4.
- Gained collaborative source control experience using GitHub

Java Game – Ultimate Tic-Tac-Toe
2015 – 16 | University of California San Diego
- Programmed a full-fledged multiplayer game complete with a menu, graphics and animations based heavily on the JavaFX library

Experience

Cyberphysical Systems Internship
Summer 2015 | University of California Irvine
- Worked under the guidance of Professor Mohammad Al Faruque
- Lab work, collaborate with graduate students in planning and design a demo for a smart house system