

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/tahmidkhkhan

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