

Zaid O. Narmouq

Ellicott City, MD

443-453-8569 | znarmouq@terpmail.umd.edu | linkedin.com/in/znarmouq | znarmouq.github.io

EDUCATION

University of Maryland, College Park MD

Bachelors, Computer Engineering

Cybersecurity Specialization

- Yurie/Jeong H. Kim Scholarship

Expected May 2023

CGPA: 3.3

Howard Community College, MD

Associates, Computer Engineering

Graduated May 2021

CGPA: 3.7

SKILLS

Languages: C, C++, HTML5, Java, OCaml, Python, Ruby, Verilog

Software: Eclipse, Visual Studio Code, Git, Ghidra, MS Office 365, Unix, Windows, MacOS, Xilinx Vivado

Hardware: Soldering, Oscilloscope, Artix-7(FPGA)

PROJECTS

Shell Senior

Spring 2022

Introduction to computer systems – C

- Implemented the body of a shell that supports pipes, input and output redirection, Boolean expressions, and subshells.
- Assembled a Makefile that is used to build the shell, and also utilized the Makefile to build custom test executables.
- Developed secure methods as the shell will handle invalid commands without terminating

Orders Processor

Spring 2022

Object Oriented Programming II – Java

- Optimized a program that demonstrates the effectiveness of multithreading by reading orders from files and outputting a receipt to a file.
- Benchmarks are output to the console.

Online Test

Spring 2022

Object Oriented Programming II – Java

- Implemented a data manager of an online test that is capable of processing true/false, multiple choice, and fill-in-the-blank-questions.
- The system will grade submitted exams and generate statistical data.

Digital Circuits and Systems Lab

Spring 2022

Xilinx Vivado

- Designed, implemented, and simulated 3 types of 4-bit multipliers (combinational, array, booth).
- Engineered a display module that would allow me to program my circuit onto a Basys3 FPGA board.
- Utilized PMOD ports to connect the FPGA to a digital logic analyzer to investigate the propagation delay between inputs and outputs in each multiplier.

EXPERIENCE

Clark's Ace Hardware,

August 2021 – September 2022

- Mastered different divisions priorities and stocking formats to ensure customer ease.
- Conducting technical diagnostic assessments on hardware tools and equipment.