Noah Saffer

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EDUCATION

Junior | **Double Major in Computer Science and Computer Engineering**

Washington University in St. Louis | *B.Sc.*   May 2020
Dean's List Honors — Cumulative GPA of 3.4

Washington University in St. Louis | *M.S.*   May 2021
I have applied into the Computer Engineering program at my alma mater and other colleges as well

EXPERIENCE

Amazon.com, Inc.   *Software Development Engineering Intern*
Seattle, WA   Summer 2018
Twelve week paid internship in which I created and deployed production software for Amazon Prime Video. Used a directed acyclic graph to perform a pipelined workflow. Skills used include dependency injection and object mapping in Java with model creation in XML.

Computer Design I and II   *Head Teaching Assistant*
Washington University in St. Louis   2016 - 2018
CSE 260M: After outperforming the rest of the class in a course meant for Juniors and Seniors as a Freshman, I was hired as a TA, and subsequently rehired for Spring 2018 as the head TA.
CSE 362M: After finishing with the highest class average as a Sophmore, I was hired as the head TA.

Data Structures and Algorithms   *Teaching Assistant*
Washington University in St. Louis   2017 - 2018
CSE 247: Hired as a TA due to my excellent performance relative to the rest of the class in a course meant for Sophomores and Juniors, rehired for Spring 2018.

Zatna LLC   *Lead Programming Instructor*
Martinsville, NJ   Summer 2017
Taught high school and middle school children Intro to Electrical Engineering, Data Structures and Algorithms in Java, Python, C#, Unity, Tynker and GameSalad. I was promoted to the lead instructor position after two weeks on the job.

SKILLS

1. Java   2. C   3. VHDL   4. Python   5. C++

6. Verilog   7. SQL   8. C#   9. Visual Basic   10. LaTeX

ACHIEVEMENTS AND PROJECTS

- Created a 32-bit CPU using an FPGA that was based on a Simple RISC with microprogramming and expanded it in my free time (VHDL, Verilog).
- Created a difference engine based on a Mealy-model finite state machine to calculate the peak of a polynomial function (VHDL, Verilog).
- Worked on 5 apps that were published to the Apple App Store (iOS Development).
- First place in the Hardware portion of HackMHSII, the hackathon at Millburn High School.

REFERENCES AVAILABLE BY REQUEST — MADE IN LaTeX