

Owen Saad

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OBJECTIVE Computer engineering senior seeking software/hardware job to offer experience in problem-solving and coding

EDUCATION

Villanova University, Villanova, PA

May 2023

Bachelor of Science in Computer Engineering; GPA: 3.88

Minors: Mechatronics and Computer Science

Course Work: C++ Algorithms and Data Structures, MATLAB, Computer Networks, Principles of Databases, Computer Architecture, Digital Electronics, Microcontrollers, Adv. Design with FPGAs

TECHNICAL SKILLS

Proficient in: Java, Fusion 360 & Inventor (Autodesk), C/C++, Microsoft Office, Matlab, Python, Quartus, SQL, VHDL

ENGINEERING EXPERIENCE

Senior Design Project (VR Goalie Training)

Apr 2022 - Present

- Working in a team of four to develop a Virtual Reality application for soccer goalies to practice defending penalty kicks
- Building the environment, ball animation and kicking animation on Unreal Engine

Word Recognition & Auditory Perception Lab (WRAP Lab)

Feb 2021-Present

- Researching speech recognition neural network models (ie Earshot from UCONN)
- Responsible for running EEG (electroencephalogram) experiments which studies where different stages of language processing occurs in the brain

L3Harris Software Engineer Intern

May-Jul 2022

- Worked on a team with Software and System Engineers to develop a classified electronic warfare component (Clearance Level: Secret)
- Designed a Python GUI to help with debugging software while running on the hardware
- Completed debugging tasks within the C++ code base

INNOVATE: The L3Harris Summer Program

Jun-Jul 2021

- Worked in a team of four to design a speech to text visual display device for individuals with auditory impairment
- Practiced final presentations weekly with entire program to enhance public speaking

LEADERSHIP/ACTIVITIES

Alpha Phi Omega

2020-Present

- Coed service fraternity structured around philanthropy, leadership, and friendship
- Participate in various volunteer activities, including, delivering food to those in need, painting a local school, and landscaping a local school

Villanova Sports Tech Sprint

Mar 2022

- Conceived of a sports tech invention
 - Learned about the "innovation sweetspot" and structured a pitch around it
- Placed 2nd in the two day competition

Boy Scouts of America (Eagle Scout)

2012-2019

- Eagle Scout Project: Designed and built a water observation deck to accommodate up to 30 students for Dicken Elementary School, Ann Arbor, Michigan
- Assistant Senior Patrol Leader (2014-2015)
- Volunteered at an assisted living center, community events, & other Eagle Projects

Athletics:

2015-2019

- Football; Varsity 2017-2018, JV 2015-2016; Football Varsity Game Captain 2018
- Volunteered with football team amongst community, including reading to local elementary student and helping with local 5-10K races
- Lacrosse; Varsity 2018-2019, JV 2016-2017

WORK EXPERIENCE

Wide World Sports Center, Ann Arbor, MI

2016-2020

Coach and Summer Camp Counselor

- Summer Camp Counselor; Summer Camp Junior Counselor
- Flag Football Coach for 8-12-year-old boys