

Hassan Alabdulaziz

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OBJECTIVE

- Seeking an entry-level Electrical and Computer Engineering position to utilize and expand my experience and knowledge in electrical and computer engineering.

EDUCATION

- **Oregon State University**

- *Bachelor of Science in Electrical and Computer Science.*
- *Minor in Computer Science.*
- *Related coursework: Digital logic Design, Electrical Fundamentals, C/C++ programming, Web Development, Electronics, Signals and Systems, System Verilog.*

SKILLS

- **Programming:** *C/C++, JavaScript, Java, Python, VHDL*
- **DATA Analysis/Simulation:** *MATLAB, LTspice.*
- **Word Processing:** *LATEX*

PROJECTS

- **Crossover Network:**
 - *Creating crossover network comprised of three filters (Low pass, bandpass, and High pass) and an amplifier for each filter that would isolate three different ranges of frequency between 0Hz and 20KHz.*
 - **Skills :**LTspice
- **SNES adapter:**
 - *Designing a SNES adapter that can be controlled by: 272 Push Button Board PS/2 Keyboard VCR Remote*
 - **Skills:** VHDL
- **Game**
 - *Programming a multi-floor maze with AI using object-oriented language (C/C++)*
 - **Skills:** C/C++.
- **Tachyon II Space VNX Card**
 - *Developing a next gen space VNX development platform based on the PolarFire SoC FPGA, one that utilizes a RISC-V processor system.*
 - *Designing the Tachyon II PCB.*
 - *Building a demo to show case the Tachyon II features and functionalities.*
 - **Skills:** VHDL and PCB design.