

# ALEXANDER KLUVER

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## EDUCATION

<b>Cornell Tech</b> , New York, NY <i>Master of Engineering in Electrical/Computer</i> Received a Merit Scholarship	May 2022
<b>University of Minnesota Duluth</b> , Duluth, MN <i>Bachelor of Science in Electrical and Computer Engineering</i>   GPA: 3.96 Honors: Summa Cum Laude	May 2021

## TECHNICAL SKILLS

<b>Coding Language:</b>	C, C++, C#, VHDL, Java, Assembly, Python, JavaScript
<b>Operating Systems:</b>	Windows, UNIX, Linux, MacOS
<b>Other Tools:</b>	LTSpice, PSPICE, PSIM, EZNEC, Blender, Unity

## PROJECTS

<b>Shuttlecock Showdown</b> , (C#, Unity) Virtual reality game that fuses a first person shooter with badminton <ul style="list-style-type: none"><li>Created scripts required for gameplay mechanics</li><li>Designed and implemented user interfaces in a virtual reality setting</li><li>Collaborated with a team to create a cohesive virtual reality experience</li></ul>	Fall 2021
<b>Highly Versatile Long Range Communication Device</b> , (Python) Decentralized communication platform that can be used for a wide variety of file types <ul style="list-style-type: none"><li>Developed a robust file transfer protocol for 256-byte packets transferred through radio</li><li>Constructed a hardware solution using a Raspberry Pi and Adafruit lora modules that allowed data transfer up to 1 mile</li><li>Created a command line control interface for viewing and sending files</li></ul>	Fall 2020

## EXPERIENCE

<b>Hewlett Packard Enterprise</b> : Eagan, MN, Linux Kernel Engineer <ul style="list-style-type: none"><li>Contributed memory error detection code to the upstream Linux Kernel.</li><li>Identified root of error in detection of processors after exceeding 8 nodes.</li><li>Tested and debugged variations of upstream and downstream Linux modules.</li></ul>	May 2020- Aug 2020
<b>University of Minnesota Duluth</b> : Duluth, MN, Teaching Assistant for Electronics I <ul style="list-style-type: none"><li>Graded homework and labs.</li><li>Attended labs and assisted students with questions.</li></ul>	August 2019 – May 2020
<b>University of Minnesota Duluth</b> : Duluth, MN, Grader for Electromagnetic Fields <ul style="list-style-type: none"><li>Graded homework and quizzes.</li><li>Assisted students with questions.</li><li>Controlled "Canvas" webpage, that displayed grades and distributed necessary files and announcements.</li></ul>	August 2019 – May 2020
<b>SYAND Corporation</b> : Burnsville, MN, Computer Science Internship <ul style="list-style-type: none"><li>Focused on information technology. Designed and implemented batch file scripts that automated several tasks using Windows PowerShell and command prompt to save company time.</li></ul>	May 2019 – August 2019

## LEADERSHIP

<b>Cornell Tech Product Studio</b> , <b>Student Team Lead</b> , New York, NY <ul style="list-style-type: none"><li>Ensure studio team produces high quality work in a timely manner</li><li>Organize meetings and coordinate with other studio teams for peer feedback</li></ul>	June 2019-Present
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## SKILLS

\*Analytical   \* Conceptual   \* Problem Solver   \* Collaborative   \* Motivated   \* Articulate