



ELECTRICAL ENGINEERING STUDENT

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EDUCATION

Honors B.S. Electrical Engineering	GPA: 3.8	May 2021
Minor, Political Science <i>University of Utah</i>		Salt Lake City, UT

SKILLS & RELEVANT COURSEWORK

C++	Arduino	Verilog	OrCAD PSpice
MATLAB	Circuit Design Theory	Digital System Design	Transmission

TECHNICAL PROJECTS

FPGA Music Generation April 2018

- Programmed FPGA where first mode plays notes when buttons are pushed, second mode plays a preprogrammed song
- Developed a two-stage finite state machine using minimal steps to increase the efficiency of the design

BJT Transistor Amplifier March 2018

- Designed an amplifier circuit to connect to a microphone and speaker, which amplified voice inputs with gain of 110 using a common emitter stage followed by a common collector stage, replacing store bought components with the team's own

RELEVANT EXPERIENCE

Vice President of Outreach | Society of Women Engineers June 2018 – Present

- Create powerful and memorable experiences to inspire young students to attend college and pursue engineering or science
- Plan 5 major events for the year complete with dates, schedules, and activities with expectations for 30 -60 participants each
- Lead a committee of 5 – 7 college students who volunteer to take on tasks to prepare our events and plan details for our activities
- Maintain the committee's budget of \$2,600 for all events by organizing committee needs, event fees, and material costs

Research Assistant | College of Engineering January 2017 – May 2017

- Self-taught MATLAB over the span of 2 months to be an effective member of the research team
- Developed code to simulate spiking neural networks to test theories made by other members of the team
- Presented work at a poster exhibition to effectively communicate our work to other professors and university students

Social Media Director | Society of Women Engineers June 2017 – June 2018

- Promoted from Electrical Engineering Representative due to high quality work, participation, and commitment
- Inform students about upcoming SWE events and share insightful videos and articles about engineering through Instagram, Facebook, and the website to encourage student participation in our club, reaching over 200 followers

COMMUNITY ENGAGEMENT

Alternative Weekend Break Site Leader | Bennion Center August 2018 - Present

- Work within the Bennion Center planning an affordable, accessible Alternative Break to allow students to engage with a local community about environmental and social justice issues
- Communicate with the Rio Mesa Center in Southern Utah to prepare the site and plan volunteering activities

ACCESS Co-Head Mentor | College of Science June 2017 – August 2018

- Collaborated with the College of Science with budget spending, reservations, and event planning to create memorable events for that year's ACCESS Scholarship Class
- Established a mentoring program where volunteers were paired with scholarship recipients to provide support