

Sebastian E. Zapata

(801) 205-9207 • seb.zapata8@gmail.com • www.linkedin.com/in/sebastian-e-z

EDUCATION

Brigham Young University: BS in Electrical Engineering

- Expected graduation: April 2021
- GPA: 3.63

Relevant Courses: Electromagnetic Fields and Waves, Power Electronics, Circuit Analysis, Circuit Design, Signals and Systems, Embedded Programming, Data Structures, Statistics for Engineers

SKILLS

- Leadership, teamwork, excellent work ethic, effective communication, discipline, organization
- Programming languages: C, C++, Verilog, MATLAB
- Languages: English (advanced), German (intermediate low), Spanish (native)

PROJECTS

- Designed the **speed control system** of a self-driven car in a team competition, using knowledge of state machines and the outputs of a prebuilt encoder
- Built a **stereo amplifier** using signal filtering and channel amplification
- Currently designing and building a **laser tag system**, combining knowledge of filter design, signal processing, and embedded programming in C. This involved using software such as MATLAB and LTSpice, and employing knowledge of passive and active components as well as lab testing equipment

WORK EXPERIENCE

Teaching Assistant, Electrical Engineering Department – Provo, Utah (Aug 2019 – present)

- Guided students in the process of building a stereo amplifier for the Circuit Analysis lab course
- Compiled corrections and improvements for teaching materials of the course to better focus learning

Student Coach, BYU Dining – Provo, Utah (May 2019 – present)

- Trained cafeteria supervisors on communicational and management skills through personal coaching
- Tutored regular workers individually to develop leadership skills and become new supervisors
- Developed training materials for 300+ workers and trained supervisors on implementation logistics

VOLUNTEERING

Board Member, Society of Hispanic Professional Engineers (SHPE)– Provo, Utah (Apr 2018 – 19)

- Oversaw finances and logistics for the participation of chapter members in nationwide conferences
- Organized networking/professional development events on campus with companies such as Adobe, Microsoft, John Deere, etc., resulting in chapter members getting internships and full-time jobs

Full-Time Volunteer, The Church of Jesus Christ of Latter-day Saints – Santiago, Chile (Feb 2014 – 16)

- Worked as a volunteer with an 80-hour work week for 24 months
- Supervised 200 volunteers while working as a personal assistant to the president of the organization
- Directed public affairs and coordinated community service efforts of 200 volunteers with city leaders

REFERENCES

- Joseph Bussio, Electrical and Computer Engineering, BYU: joseph_bussio@byu.edu, (801) 422-1240
- Mindy Johnson, BYU Dining: mindy_johnson@byu.edu, (801) 422-4727