

# B. Computer Engineering

*elec.comp-e@gmail.com • (222) 222-2222 • www.linkedin.com/in/elec.comp-e*

## EDUCATION

---

**MS Electrical and Computer Engineering** December 2019

**BS Electrical Engineering** June 2018

Brigham Young University, Provo, UT

- GPA 3.33
- Designated Hispanic Scholarship Fund Distinguished Scholar (2016 – 2017)
- College of Engineering Scholarship (2016 – 2018)
- Relevant coursework: Radar and Communications Systems, EM Radiation & Propagation, Intro to Acoustics, Intro to DSP, Intro to Digital Communication Theory, Wireless Communication Circuits

## SKILLS/ABILITIES

---

- Software programs: proficient in AutoCAD, LTspice, Xilinx SDK, ISE Design Suite, EAGLE, ADS
- Programming Languages: C, C++, MATLAB, Bash, Verilog
- Foreign Languages: fluent in Cebuano, intermediate in Tagalog, elementary Portuguese
- Drum set, Lacrosse team (Oct 2015 – Jan 2019)

## ENGINEERING EXPERIENCE

---

**Research Assistant** • *Microwave Earth Remote Sensing Lab, BYU*

Provo, UT, December 2016 – Present

- Investigate antenna azimuth bias of a space-borne radar scatterometer to improve reaction speed by 20%
- Analyze radar data to evaluate suitability of 150+ land calibration targets
- Utilize MATLAB object oriented programming and shell scripting to process radar data

**Teaching Assistant** • *BYU Department of Electrical Engineering*

Provo, UT, August 2016 – December 2016

- Taught over 100 engineering students how to program and implement a microcontroller
- Conducted 7 review sessions to teach analog and digital circuit concepts to engineering students of several disciplines improving test scores by 17%

**Electrical Designer** • *ABC Engineering*

Lehi, UT, October 2014 – August 2016

- Engineered solutions for emergency electrical installation issues for 15 offices in CA as main point of contact for the Regional Operations Manager
- Designed over 1500 NEC compliant single line electrical schematics for customized photovoltaic installations
- Exceeded company quarterly quota of custom installation schematics by 25%

## SERVICE

---

**Volunteer Representative** • *The Church of Jesus Christ of Latter-day Saints*

Cebu, Philippines, June 2012 – June 2014

- Supervised and participated in building 5 homes to improve lives of impoverished families
- Presented leadership trainings to over 180 missionaries to improve teaching skills