

A. Technology & Engineering Studies

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EDUCATION

Bachelor of Science: Technology & Engineering Studies: Teaching

Brigham Young University

Emphasis in Creativity, Innovation, and Education

- GPA 3.57
- TEECA Club Vice-President (Jan-Dec 2016)
- Course in beginning HTML and JavaScript

Apr 2019

Provo, UT

PROJECTS/RESEARCH

Student Lead

Jun 2016-Present

Diverge Converge Workshop Series

Provo, UT; Puebla, MX

- Co-taught innovative and engineering design process methods with university professor and Founder of MyTech High to K12 students, teachers, university students, and industry leaders in Puebla, Mexico in January of 2018
- Two-time recipient of BYU ORCA research grant for research in innovation and education
- Modified instructional methods and activities for university-level innovation course based on research pedagogy and participant needs leading to a 10% increase in participation
- Collaborated with educators from over 5 different disciplines to develop meaningful student instruction on various levels within educational system

Deliverables Manager

Jan 2018-Apr 2018

Product Management & Change Leadership Internship with LDS Church

Salt Lake City, UT

- Led focus group with 8 employees to discuss strengths and weaknesses of cross departmental collaboration to inspire communication
- Composed survey administered to over 100 employees and evaluated quantitative data to improve work experience
- Created better department systems through analyzing qualitative data retrieved from 20 interviews with department directors
- Managed design and development of final presentation and documents for 10 department directors to assure correct data was used

Student Director

Apr 2017-Present

K12 Student Innovator of the Year (SIOY) Competition

Provo, UT

- Authored participant rule book and instructional aide materials posted on divergeconverge.org
- Mentored struggling teams in local schools before competition to prepare students to compete with innovative products, systems, and/or services
- Received grant money from the Utah STEM Action Center for competition funding

Research Assistant

Feb 2016-Present

Innovation Testing Instrument

Provo, UT

- Administered over 200 innovation assessments to K12 and undergraduate students pre/post workshop to inform presenters of possible improvements
- Collected and interpreted quantitative and qualitative data from over 60 participants
- Designed digital recreations of innovation test in under 1 week in preparation for online global launch of assessment
- Developed assessment questions using valid and reliable assessment methodologies to inquire sincere responses from 50+ participants

SKILLS/ACHIEVEMENTS

- Adobe Design Suite: Photoshop, Illustrator, and Premier
- Fluent in the pre-production, production, and post production phases of videography
- Experience with instructional design and implementation with diverse cultural backgrounds
- Training Certificate from IDEO.org and +Acumen in Human-Centered Design; formed design team of 4 undergraduate students to innovate a solution for young local entrepreneurs
- Served full-time service mission in Colorado (2012-2014)