

Bryce Whitworth

+1 805-304-9713 | bryce.whitworth@gmail.com | <https://www.linkedin.com/in/bryce-whitworth/>

EDUCATION

Information Systems Management

Jun 2019 – Present*

Brigham Young University - Marriott School of Business

Provo, UT

- Target graduation April 2027, Masters of Information Systems Management
- 3.79/4.00

EXPERIENCE

Research Assistant

Aug 2023 - Present

BYU Computer Science, Dr. Xinru Page

Provo, UT

- Facilitate research focus groups
- Write Internal Review Board (IRB) proposals

Mychanic

Oct 2022 - Present

Personal Business Venture

Provo, UT

- Envisioned and created a cloud-based vehicle diagnostic tool
- Researched potential markets to confirm financial viability
- Prototyped and validated 3 frontend Figma designs
- Developed DC circuit design and software based on C++ microcontrollers
- Partnered with CS professor to resolve network software issues
- Self-taught https & cellular communication protocols to interface with Google Firebase
- Developed app with React Native, built website with Bootstrap and HTML/CSS
- Completed 15-month journey to present product at BYU Student Innovator of the Year competition

Research Assistant and Teacher's Assistant

Aug 2022 - Dec 2023

BYU Biology, Dr. Riley Nelson

Provo, UT

- Prototyped and modeled in CAD for ideal turbulent flow of water to promote silk production for analysis of properties for artificial manufacture of caddisfly silk
- Designed flow plates in CAD for efficient silk extraction for subsequent analysis
- Planned deadlines/assignments with the Professor and other TA's, restructuring course website for efficiency and simplicity
- Provided students in need with necessary special accommodations

RELEVANT PROJECTS

BYU Formula-Electric Club

Jan 2023 – Present

Design and develop Formula-E racecar for intercollegiate competition

Provo, UT

- Leader for Electronics hardware sub-team
- Collaborate with 3 other sub-team leaders using Jira and Agile methodology
- Designed and built electrical circuits and vehicle software system
- Interfaced with various sensor types using Teensy 4.1's in C++
- Created and implemented wiring diagrams for 12 volt system

SKILLS

- Microsoft Office Suite
- User Experience Design
- Visual Design
- Web design
- App development
- Information Systems
- Figma
- Usability testing
- Project management

Computer Languages: Python, C++, Git, React Native, VBA, SQL, HTML, CSS

OUTSIDE INTERESTS

- Competitive running: Half marathons, sub 5-minute mile
- Vehicle Restoration: Restored 1995 Ford Bronco and 1987 Jeep Wagoneer

VOLUNTEER SERVICE

- 2-year missionary service for the Church of Jesus Christ of Latter-day Saints
 - Jan 2020- Nov 2021
 - Brazil, Florianopolis mission
 - North Dakota, Bismarck mission