

James Fawcett

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Rexburg, Idaho

Skills

- **Programming** – JavaScript, TypeScript, C#, Rust, Python, SQL, HTML/CSS, Elixir
- **Tools & Platforms** – Linux, React, Next.js, Git, Unity, TensorFlow, Firebase

Education

- **Brigham Young University Idaho** – Bachelors in Computer Science, Anticipated December 2027, GPA: 3.99
- **Rio Salado Community College** – Associates in General Studies, May 2024, GPA: 3.6

Projects

- **Magic the Gathering (MTG) Board** – A personal project where I built a virtual tabletop using React and Electron, enabling mobile device connectivity for fully digital MTG gameplay. Is released with several downloads
- **FTC Robotics** – Developed autonomous control software and led a team of programmers for my high school FTC robotics team in Java, using TensorFlow for real-time object recognition, improving my teams scoring by 40%, which led to us attending state championships
- **Herobotix FTC Website** – React based website for Heritage Academy Gateway's FTC robotics club. Implemented a newsletter system using firebase to email all subscribers and a built-in newsletter editor
- **Doomscroller** – VR Arcade-style shooter built in unity, with enemy path-finding AI and YouTube shorts Integration

Experience

Tutor – September 2025 - present

- Tutor for WDD 130, WDD 131, WDD 231, CSE 210
- Helping and teaching 60+ students concepts from several classes

Teachers Assistant – January 2026 – present

- TA for WDD 130
- Guiding students and grading their assignments
- Assisting professor in developing class content

Lighting Technician – August 2023 – May 2024

- Recognized as a finalist in the ASU Gammage HS Musical Theater awards
- Managed lighting design and execution for the majority of Heritage Academy's Productions (Theatre, Music, Etc.)

Costa Vida – August 2022 – August 2024

- Processed customer orders and managed payments efficiently.
- Trained 5 employees on 4 different positions, improving team workflow and efficiency

Awards

- Finalist at the ASU Gammage HS Musical theater awards for lighting design
- Two-time State championship attendee for FTC robotics
- Full tuition Merit Scholarship at BYU-I