Sam Passey

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Education

B.S. Economics; B.S. Mathematics   Apr 2026
Brigham Young University (BYU)   Provo, UT

- GPA: 3.98/4.00; Phi Kappa Phi
- **Relevant economics coursework:** graduate-level courses in micro, macro, econometrics, game theory, and asset pricing; applied econometrics; machine learning for econometrics
- **Other relevant coursework:** real analysis (2-course sequence), linear algebra, probability, statistical inference, network theory, object-oriented programming, complex analysis, abstract algebra, ordinary differential equations

Research Experience

Predoctoral Research Fellow (Scheduled)   July 2026–July 2028
Stanford Graduate School of Business   Palo Alto, CA

Research Assistant   Sept 2023–Present
BYU Marriott School of Business   Provo, UT

- Supervised by Taylor Nadauld, Bronson Argyle and Ben Iverson
- Wrote scripts for supercomputing cluster to aggregate billions of confidential records from Experian
- Built bank-level panels using data from RateWatch, FDIC, and FFIEC data; combined with oil and gas production shocks in Texas to study deposit market power on consumer banking outcomes

Research Assistant   Mar 2024–Present
Department of Economics, BYU   Provo, UT

- Supervised by Christian vom Lehn
- Digitized and harmonized U.S. college major–level degree completion data back to 1969 by applying OCR, Python automation, and custom crosswalks to reconcile changing classification codes
- Constructed a longitudinal dataset linking majors to occupations, wages, and college majors, enabling analysis of how educational choices evolve with labor market outcomes

Work Experience

Teaching Assistant–Advanced Macroeconomics   Jan 2026–Present
Department of Economics, BYU   Provo, UT

- Selected for high performance in course (structured as first-semester PhD macro class)
- Responsibilities include leading review sessions, grading, assisting students with math, theory and Matlab code

Portfolio Strategy Intern   May 2023–Aug 2023
Ensign Peak Advisors   Salt Lake City, UT

- Researched and integrated ∼70 macroeconomic variables from Chinese govt. into a Python-based live-dashboard
- Built panel to describe historical trends/forecasts and international comparisons in mortality, fertility, and ageing

Teaching Assistant–Economic Principles and Problems   Jan 2023–Apr 2023
Department of Economics, BYU   Provo, UT

- Delivered regular, personalized feedback on homework problems and essays for 38 students

Missionary   Jun 2020–Jun 2022
The Church of Jesus Christ of Latter-day Saints   Kern County, CA

- Appointed to train and lead over 75 other missionaries

Programming Skills

- Python, Stata, Matlab, LaTeX, Julia, and R