

JONATHAN WILDING

jonathan.r.wilding@gmail.com ♦ (385)482-5644

jonathanwilding.com ♦ linkedin.com/in/j-wilding ♦ github.com/j-wilding

EDUCATION

B.S., Mathematics

Apr. 2018 - Apr. 2021

Brigham Young University, Provo, UT

- Software Development Emphasis

SKILLS

Highly Proficient

Python JavaScript Linux Git Data Structures Vue.js Tailwindcss CSS
Linear Algebra HTML5

Proficient

Java SQLite MongoDB Django NumPy Node.js React.js Typescript C++

EXPERIENCE

Web Development - Research Assistant

Sep. 2020 - May 2021

Information Systems Dept., Brigham Young University, Provo, UT

- Designed and produced a web application to test and analyze participant interruptive multitasking performance with A/B testing.
- Developed a full-stack, multiple-choice form creation and management system with Vue.js, Express.js and MongoDB.

Machine Learning Support - Research Assistant

Oct. 2019 - Jun. 2020

Mechanical Engineering Dept., Brigham Young University, Provo, UT

- Reduced run time by hours and enabled ML models to run remotely by centralizing computational resources to our high-performance server using JupyterHub and web protocols.

Mongolian Teacher

Sep. 2018 - Sep. 2019

Missionary Training Center, Provo, UT

- Taught Mongolian to groups of 6-10 missionaries in an immersive 10-week language course.
- Improved efficiency in planning by creating a website to centralize teaching resources and materials.

Product Quality Control and Regulatory Teammate

Jan. 2018 - Apr. 2018

Golub Corporation, Schenectady, NY

Jan. 2015 - Dec. 2015

- Automated nutrition label verification with a JavaScript web application for product category managers, saving roughly 30 seconds for each label while improving accuracy.
- Transformed data entry in Excel from a 2-minute process to 15 seconds, with VBA scripting.

PERSONAL PROJECTS

The Movie Game (movies.jonathanwilding.com)

Mar. 2021

- Implemented a family word game as a front-end web app that uses JavaScript to query and display results from the TMDB API, validating the results per the rules of The Movie Game.

SVD Image Compression

Nov. 2019

- Compressed image data by several orders of magnitude using a hand-coded python class to compute the SVD of a matrix.