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

Python	JavaScript	Java	SQLite	MongoDB	Linux	Git
Data Structures	Vue.js	Django	NumPy	Node.js	React.js	Tailwindcss
Linear Algebra	Typescript	C++	HTML5	CSS		

EXPERIENCE

Web Development - Research Assistant Sep. 2020 - May 2021
Information Systems Dept., Brigham Young University, Provo, UT

- Designed and developed an experiment to test and analyze participant interruptive multitasking performance, using Vue.js, Express.js, and MongoDB.
- Drove collaboration by sharing progress and insights in weekly stand-up meetings.

Machine Learning Support - Research Assistant Oct. 2019 - Jun. 2020
Mechanical Engineering Dept., Brigham Young University, Provo, UT

- Built and maintained a JupyterHub Notebook server on RHEL with an Apache reverse proxy for a team of several data scientists.

Mongolian Teacher Sep. 2018 - Sep. 2019
Missionary Training Center, Provo, UT

- Created and maintained a website to simplify and centralize area resources and materials.
- Led weekly teacher coordination meetings.

Product Quality Control and Regulatory Teammate Jan. 2018 - Apr. 2018
Golub Corporation, Schenectady, NY Jan. 2015 - Dec. 2015

- Built JavaScript web application for several managers to automate the new nutrition label validation process.
- Improved data entry efficiency over 300% with Microsoft VBA scripting.

PROJECTS

Multiple Choice Form Content Management System (forms.jonathanwilding.com) Apr. 2021

- Developed a full-stack, multiple-choice form creation and management system, with Vue.js, Express.js and MongoDB.

The Movie Game (movies.jonathanwilding.com) Mar. 2021

- Created a front-end actor-movie game with JavaScript, which queries the TMDB API.

SVD Image Compression Nov. 2019

- Built python class to compute SVD of a matrix, using Numpy and Scipy libraries. Applied SVD to compress image data by reducing data complexity on the matrix level.