

FRANK LUSE

SOFTWARE & DATA ENGINEER

EXPERTISE

PROGRAMMING LANGUAGES

Python, JavaScript, HTML,
CSS, GraphQL, C++, Java

LIBRARIES & FRAMEWORKS

React, jQuery, Express,
Pandas, Numpy

TOOLS & PLATFORMS

AWS, Git, PostgreSQL,
MongoDB, Stata, Node.js

DESIGN

Photoshop, Illustrator, Indesign

EDUCATION

BA IN ECONOMICS

BA IN SOCIOLOGY

The University of Kansas
Honors Program

2017 - 2021 ; CGPA: 3.96

OTHER

LANGUAGES

English, Spanish

VOLUNTEERING


Kansas Permaculture Institute
Boy Scouts of America
KU Campus Beautification Initiative

ACHIEVEMENTS

Eagle Scout
Honors Distinction

CONTACT

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frankluse.com 

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PROFILE

Young software engineer and entrepreneur with experience in a fast-paced startup. Designed, built, and shipped two responsive websites, a web application, and the back end databases, functions, and GraphQL API's for each. With experience in software and a strong knowledge of statistics, I specialize in developing ready-to-ship websites and web applications.

EXPERIENCE

TERRAFARM | FROM OCT 2019 - Present

Co-Founder and Chief Executive Officer

- Led 4 engineering teams and 1 design team from development to launch
- Created a user-web application in React.js, Node.js, and GraphQL enabling customers to see their farm's data and control critical actuators
- Developed a real-time embedded system using C++ and Python that controls farm actuators, receives user input from the web app, and logs data
- Constructed real time data pipelines to store thousands of customer and farm data points every day using AWS hosted PostgreSQL and MongoDB instances

THE UNIVERSITY OF KANSAS | FROM JAN 2019 - MAY 2020

Math Tutor - Applied Statistics

- Tutored small groups of up to 5 students in elementary and applied statistics
- Guided students through course material, created practice problems, helped students improve their skills in probability, statistical analysis, and regression

PROJECTS

HONORS THESIS IN SOCIOLOGY | FROM AUG 2020 - Present

- Studied the effectiveness of OECD countries' stimulus programs in the 2020 recession using OLS linear regression and logistic regression models

AUTOMATED STOCK TRADING BOT | FROM OCT 2020 - DEC 2020

- Used Pandas, Numpy, and OLS regression to find predictors of stock returns
- Developed a Python bot to execute trades on Robinhood & Alpaca using triple momentum, divergence, and relative strength strategies

JARVIS PERSONAL ASSISTANT | FROM DEC 2020 - Present

- Created a personal assistant using Python and natural language processing that interprets commands and queries websites for its responses

FLUSE (MUSIC PRODUCER) | FROM AUG 2016 - Present

- Composed, recorded, and produced original songs and remixes
- Created logos, album art, and promotional materials
- Achieved over 1 million streams on all streaming platforms combined