Jacob Keisling

[jkeisling@uchicago.edu](mailto:jkeisling@uchicago.edu) | keisling.me | 502-432-0650

# Education

## University of Chicago 2018-present

I’m a third-year student majoring in computer science.

* GPA: 3.72 overall
* ACT: 34; National Merit Scholar

# Experience

## Humana (PPC) Jun - Aug 2020

I built risk models for the most common chronic conditions in our senior patients, creating and deploying supervised ML binary classifiers

* Predicted 6-month diagnosis risk for patients with up to 92% accuracy using random forest and logistic regression models
* Identified key comorbidity clusters and risk profiles
* Identified, cleaned, and normalized key data from electronic health records

I used: R (tidyverse, tidymodels), SQL (MS SQL Server), Git

## UChicago IT Services Jan 2020 - present

I‘m building internal tools to help IT team monitor network architecture and testing new infrastructure for the DevOps team

* Created internal website for teams to view key per-building metrics
* Created Grafana, Netbox, Snipe-It, HashiCorp Vault test servers and demos

I’m using: JS (React, Node / Express), MongoDB, Python, Linux CLI, Docker

## Vega Trading Oct 2020 - present

* Cofounder of fintech startup accepted into College New Venture Challenge at the University of Chicago’s Polsky Accelerator
* Designed and coded user-facing investment page and backend
* Worked with traders to implement algorithmic trading

I used: JS (React, Node/Express/Prisma), HTML/CSS, R, Python, Figma

# Volunteering

## Louisville City Council 2015-2018

* Scraped city code violations with Python to compile evidence for legislation against absentee landlords
* Designed, wrote, and edited weekly e-newsletter (distribution ~2,000)

# Skills

R

Python

SQL

JavaScript

C

Haskell

HTML/CSS

Git

Linux CLI

Adobe Suite

Figma

# References

Steven Clark

Director, PPC Data Science

sclark33@partnersinprimary  
care.com

Wanda Smith

Chief of Staff, Council Dist. 4

[wmsmith@louisvilleky.gov](mailto:wmsmith@louisvilleky.gov)

# Honors

Jacob L. Keisling Day

Honoured by Louisville City Council President for “untiring service to District 6”. 14 December 2017 was declared Jacob L. Keisling Day.