






# Kairsten Fay

Full stack developer passionate about building applications that relay complex concepts through effective visual design.

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## Highlighted skills

- Python
- JavaScript, Node.js, and React.js
- PostgreSQL
- Data visualization (D3, Seaborn, ggplot, and Tableau)
- Git

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## Highlighted projects

- [github.com/seattleflu/website](https://github.com/seattleflu/website)
- [github.com/seattleflu/id3c](https://github.com/seattleflu/id3c)

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## Experience

APR 2019 – PRESENT

### Full stack developer / Fred Hutch, Seattle, WA

- Create numerous CLI ETL processes in python to parse, upload, and standardize tens of thousands of data points into the PostgreSQL database.
- Design web components and servers with React and Express (Node.js) .
- Create public-facing data visualizations with D3, Mapbox, and CSS.
- Delivered RESTful API endpoints to clients using Python/Flask.

OCT 2018 – APR 2019

### Full stack developer / IHME, Seattle, WA

- Supported <http://ghdx.org>, a website with 50,000 visitors per month.
- Refactored legacy code to reduce complexity, removing thousands of lines of code while simultaneously preparing for Drupal 8 migration.
- Delighted internal customers by increasing form processing speed by 500%, reducing server error rate, and trimming workflow from four pages to one.

FEB 2017 – OCT 2018

### Data analyst / IHME, Seattle, WA

- Developed a machine learning framework in scikit-learn, subsequently unifying the delivery of diverse models and improving accuracy 50-100%.
- Published data visualizations and data analyses online and in the Lancet.
- Improved the ETL pipeline to prevent data loss. Reduced manual data extraction time by 20%, saving hundreds of hours of data analyst time.
- Contributed to a positive work culture by leading a prominent staff support group, organizing game nights, hosting book clubs, and mentoring new hires.

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## Education

MAY 2015

### BSc in Biological Sciences / NC State, Raleigh, NC

- Caldwell Fellow