

# Ryan Larson

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## Education

### University of Iowa

BACHELOR OF ARTS (BA) IN INFORMATICS (HUMAN COMPUTER INTERACTION)

Iowa City, IA

Sep. 2013 - May 2017

#### Minors Classes

Computer Science, Psychology.  
Information Visualization, Knowledge Discovery, Database Management. See all in a visualization [here](#).

## Skills

#### Languages

Python, Javascript, SQL, R.

#### Methods

Data Analysis, Data Visualization, Machine Learning (ML), Geographic Information Systems (GIS), Version Control (VC).

#### Software

D3.js, Pandas, Scikit-Learn, Tableau, OpenCV, Weka, ArcGIS, Adobe Illustrator.

## Experience

### Informatics Initiative

UNDERGRADUATE RESEARCH

Iowa City, IA

Feb. 2017 - July 2017

- Coauthored *Understanding the Effect of the Travel Ban on Immigration Tweets in the United States*, extending a class project, by working with Political Scientists, Geographers, and a Professor.
- Unearthed hidden geographic trends in Twitter data by analyzing 500Gb of tweets from 97 languages in Python and ArcGIS.
- Expanded civic engagement via leading a new Data Science summer workshop.

### IDEA Lab

UNDERGRADUATE RESEARCH

Iowa City, IA

Sep. 2016 - Feb. 2017

- Implemented performant emotion and attention classifiers from prior literature (OpenCV, Raspberry Pi).
- Designed and developed a physical anomaly predictor using athlete's gyroscopic data (Scikit-Learn).

### Daily Iowan

DATA JOURNALIST

Iowa City, IA

Sep. 2016 - Dec. 2016

- Co-founded the Daily Iowan Data Journalism Team, by integrating quantitative information, journalists, and the school's newspaper *The Daily Iowan*.
- Published 4 monthly print and web projects to communicate data stories, by collaborating with reporters on choice editorials (D3.js, Illustrator).

### ACT

DATA VISUALIZATION INTERN

Iowa City, IA

Jun. 2016 - Aug. 2016

- Synthesized recommendations by analyzing 11 datasets from 4 open and closed sources (Python, Jupyter Notebooks).
- Increased user engagement by scaling an interactive web visualization platform using predictive models and D3.js.

### ACT

DATA ANALYST INTERN

Iowa City, IA

Jul. 2015 - Aug. 2015

- Identified areas of growth for ACT, by analyzing 2 decades of survey data and performance metrics.
- Communicated insights to stake holders, by creating interactive Tableau dashboards and static reports, leading to a company decision involving 100 people.

## Extracurricular

### University Iowa Track & Field

ATHLETE

Iowa City

Aug. 2013 - May 2014

- Competed for the Hawkeyes in a performance driven environment, walking on after 2 years of running.
- Recipient of the 2013 Hawkeye Scholar Award.

### College of Public Health

DESKTOP SUPPORT ANALYST

Iowa City, IA

July. 2013 - Ongoing

- Diagnosed and resolved hardware, software problems. Worked with users to extract critical information and provide timely support.