Ryan **Larson**

📱 (612) 220-2262 | ✉ ryan-p-larson@uiowa.edu | 🐙 ryan-p-larson | in ryanpatricklarson

Education ────────────────────────────────

University of Iowa   *Iowa City, IA*

BACHELOR OF ARTS (BA) IN INFORMATICS (HUMAN COMPUTER INTERACTION)   *Sep. 2013 - May 2017*

 Minors   Computer Science, Psychology.
Classes   Information Visualization, Algorithms, Database Management. See my college curriculum visualized here.

Skills ────────────────────────────────

Languages   Python, Javascript, SQL, R.
  Methods   Data Analysis, Data Visualization, Source Control, Geographic Information Systems (GIS), Machine Learning (ML).
 Software   D3.js, ReactJS, Pandas, Git, Tableau, Leaflet.js, ArcGIS, Adobe Illustrator, OpenCV, Weka, Scikit-Learn.

Experience ────────────────────────────────

Informatics Initiative   *Iowa City, IA*

UNDERGRADUATE RESEARCH   *Feb. 2017 - July 2017*

- Authored charts for *Understanding the Effect of the Travel Ban on Immigration Tweets in the United States*, by working with a cross functional team of Political Scientists and Geographers.
- Unearthed hidden geographic trends in Twitter data by analyzing 500Gb of tweets from 97 languages in Python and ArcGIS.
- Expanded community engagement via leading a new Data Science summer workshop.

IDEA Lab   *Iowa City, IA*

UNDERGRADUATE RESEARCH   *Sep. 2016 - Feb. 2017*

- Implemented performant emotion and attention classifiers from prior computer vision literature (OpenCV, Raspberry Pi).
- Designed anomaly detection models from time series data, enabling real-time feedback for athletes (Scikit-Learn).

Daily Iowan   *Iowa City, IA*

DATA JOURNALIST   *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 driven stories, by collaborating with reporters on editorials (D3.js, Illustrator).

ACT   *Iowa City, IA*

DATA VISUALIZATION INTERN   *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   *Iowa City, IA*

DATA ANALYST INTERN   *Jun. 2015 - Aug. 2015*

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

College of Public Health   *Iowa City, IA*

DESKTOP SUPPORT ANALYST   *July. 2013 - Ongoing*

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

Extracurricular ────────────────────────────

University Iowa Track & Field   *Iowa City*

ATHLETE   *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.