Ryan **Larson**

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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, Knowledge Discovery, Human Computer Interaction. See all 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, Scikit-Learn, Tableau, OpenCV, Weka, ArcGIS, Adobe Illustrator.

Experience

Informatics Initiative   *Iowa City, IA*
UNDERGRADUATE RESEARCH   *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.
- Identified anomalous 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   *Iowa City, IA*
UNDERGRADUATE RESEARCH   *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   *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 stories, by collaborating with reporters on choice 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 using Python and Jupyter Notebooks.
- Increased user engagement by scaling interactive web visualizations using predictive models and D3.js.

ACT   *Iowa City, IA*
DATA ANALYST INTERN   *Jun. 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 Activity

Association for Computing Machinery   *International*
MEMBER   *May. 2014 - Ongoing*

- Participated in hackathons and community events.

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.