

Isaac McKillen-Godfried

207-249-5188 • igodfrie@brandeis.edu • isaacmg.github.io • github.com/isaacmg

Experiences

Data Analyst Eastern Maine Medical Center, Bangor ME Jul-2017 to present
Data Analyst Intern Jun-2016 to Jan-2017

- Built data pipelines in Python to extract, transform, and load data from a variety of sources (Cerner analytics, 3M, manually maintained Excel files) into dashboards, SQL databases, and models.
- Designed interactive dashboards (with Bokeh) for hospital management and doctors.
- Conducted data driven research into improving hospital operations/clinical quality of care including finding/defining appropriate metrics, detecting diseases with machine learning, and building models to forecast LOS.

Founder PaddleSoft, Bangor ME Jun-2015 to Jun-2017

- Created a neural network (NARX) in MATLAB to predict the flow of the Kenduskeag stream.
- Utilized big data technologies like Spark and Hadoop (in both Java and Python) to perform distributed analysis and train NLP algorithms like Word2Vec and LDA on large datasets.
- Built realtime streaming systems and dashboards with Avro, Kafka, Flink and D3.js
- Created containerized applications and micro-services using Docker and tested them with Codefresh.

IT Intern Eastern Maine Health Services, Brewer ME May-2014 to Aug-2014

- Analyzed LAWSON reports using Microsoft Access and Excel
- Built databases with VB and SQL to automate Affordable Care Act and COBRA reporting

Research Assistant University of Maine, Orono ME Jun-2012 to Aug-2013

- Researched the catalytic upgrading of pyrolysis oils to fuel grade oil with Gaussian 09.
- Wrote bash scripts to interact with university supercomputer.

Other Accomplishments

Kaggle Competitions Expert- ranked in the top 5% of all data scientists on Kaggle. Earned bronze medals in both the Allen AI Challenge (using AI to solve multiple choice questions) and the 2017 Data Science Bowl.

Author in Towards Data Science- Wrote multiple stories on machine learning, data science and data engineering for online publication Towards Data Science.

Skills

- **Languages:** Java, Python, Ruby, Scheme, SQL, JavaScript, and Scala.
- **Technologies:** Pandas, PyTorch, scikit-learn, Flink, NoSQL, Kafka, Airflow, D3.js, and ElasticSearch.
- **Tools:** AWS, Google Cloud, Docker, Kubernetes, Git, Travis-CI, Codecov, and Codefresh.

Education

B.A. Hispanic Studies Brandeis University, Waltham MA Aug-2013 to May-2017

Minors in Computer Science and Near Eastern and Judaic Studies

