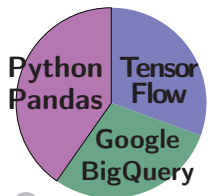
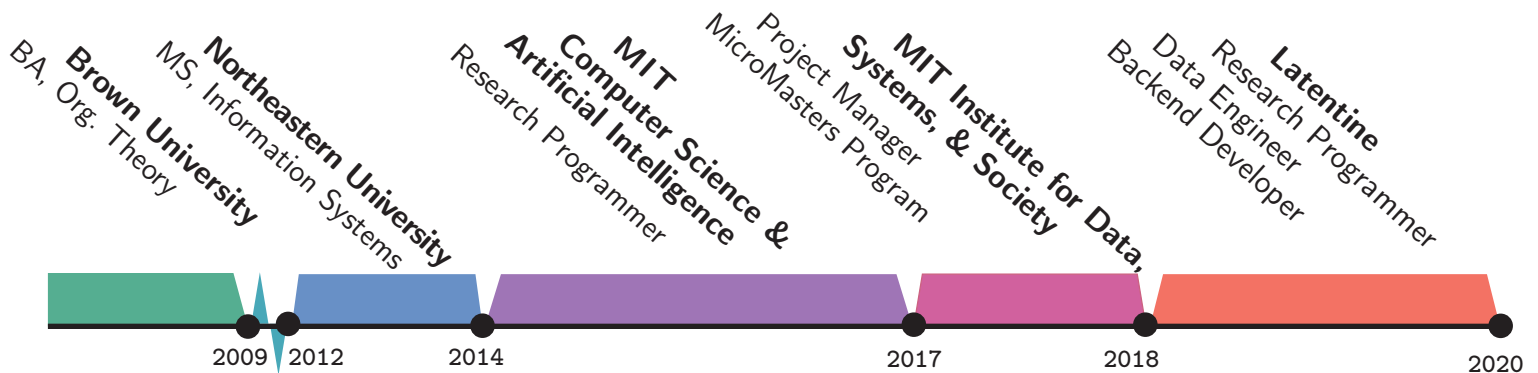


Albert R Carter

Berlin, Germany
(willing to relocate)

Programmer, Data Engineer
Research Programmer

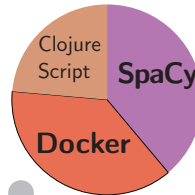
github.com/RogerTangos
al@albertrcarter.com



2018-2019

Ocean Shipping Predictions

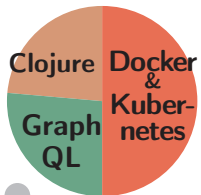
- a web API predicting cargo vessels' next ports of call and arrival times
- engineered, interpolated, cleaned data
- prototyped and implemented algorithms
- wrote server
- various techniques: sequence generators, DNN's, Markov chains, auto ML ensembles



2019

Transcript Transcription

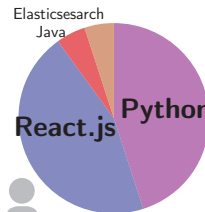
- a web app ingesting contorted transcript images and exporting structured data
- wrote service for image deskewing
- created services for text id & extraction
- contributed to frontend



2018-2020

Robot Studio (Kubernetes + ML)

- a web app for training, creating, deploying supervised machine learning models without labeled data
- wrote Kubernetes supervisor for training pods
- wrote ML training pods
- contributed to backend and API design



2016-2017

Aurum (React.js + Python)

- a system for data discovery
- defined and implemented relational algebraic functions
- developed responsive front end UI

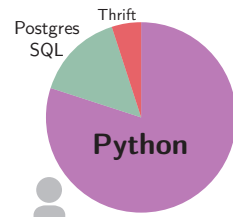


2019-ongoing

Comic Science

- scientists and designers communicating environmental crisis in an accessible way
- founder and organizer, SCRUM master
- built project-based coalitions with other groups
- recruited team members

xrscience.earth



2015-2016

DataHub (django + SQL)

- a collaborative platform for private data processing and sharing
- steered development of DataHub as a platform
- designed and developed API

datahub.csail.mit.edu

Languages, Frameworks, Libraries, & Tools:

Python	SQL	React.js	Kubernetes	NumPy	Scikit-learn
Clojure	NoSQL	Django	Docker	Pandas	TensorFlow
Clojurescript	GraphQL	Flask	OpenFaaS	Jupyter	
Javascript		Ring			



= N additional teammates