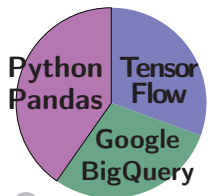
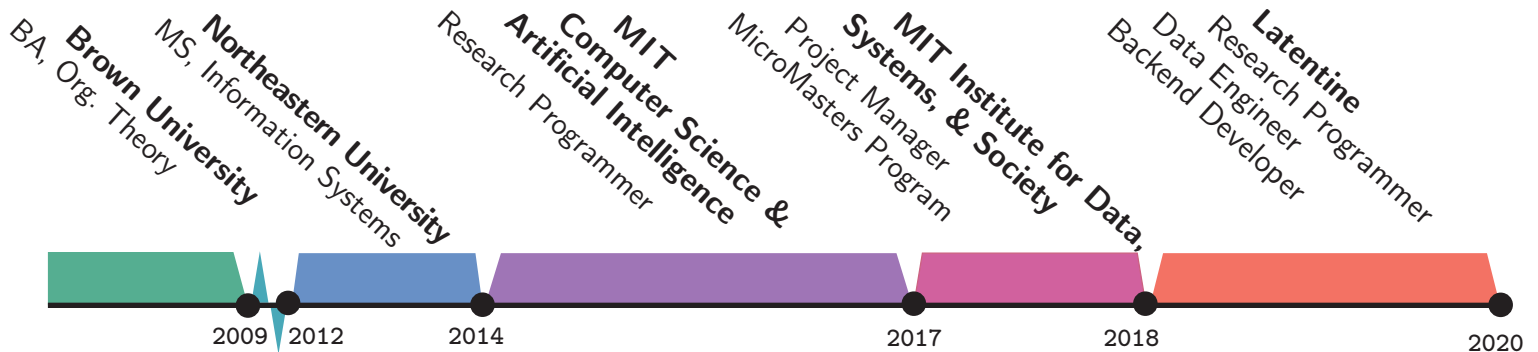


# Albert R Carter

Berlin, Germany  
(willing to relocate)

Programmer, Data Engineer

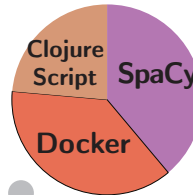
[github.com/RogerTangos](https://github.com/RogerTangos)  
[al@albertrcarter.com](mailto:al@albertrcarter.com)



2018-2019

## Ocean Shipping Predictions

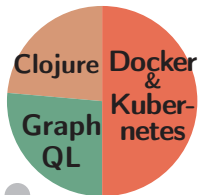
- a web API predicting cargo vessels' next ports of call and arrival times
- engineered, interpolated, cleaned data
- prototyped and implemented algorithms
- wrote server
- various techniques: sequence generators, DNN's, Markov chains, auto ML ensembles



2019

## Transcript Transcription

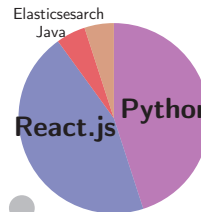
- a web app ingesting contorted transcript images and exporting structured data
- wrote service for image deskewing
- created services for text id & extraction
- contributed to frontend



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

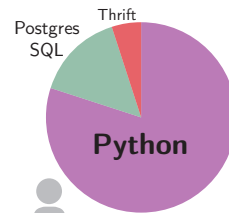


2019-ongoing

## Comic Science (Organizing)

- 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](http://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](http://datahub.csail.mit.edu)

## Languages, Frameworks, Libraries, & Tools:

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



= N additional teammates