Albert R Carter

Programmer, Data Engineer

Berlin, Germany
(willing to relocate)

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Timeline:

- BA, Org. Theory — **Brown University**
- MS, Information Systems — **Northeastern University**
- Research Programmer — **MIT Computer Science & Artificial Intelligence**
- Project Manager — **MIT Institute for Data, Systems, & Society** — MicroMasters Program
- Research Programmer — **Latentine** — Data Engineer, Backend Developer

2009 2012 2014 2017 2018 2020
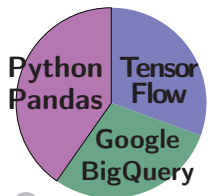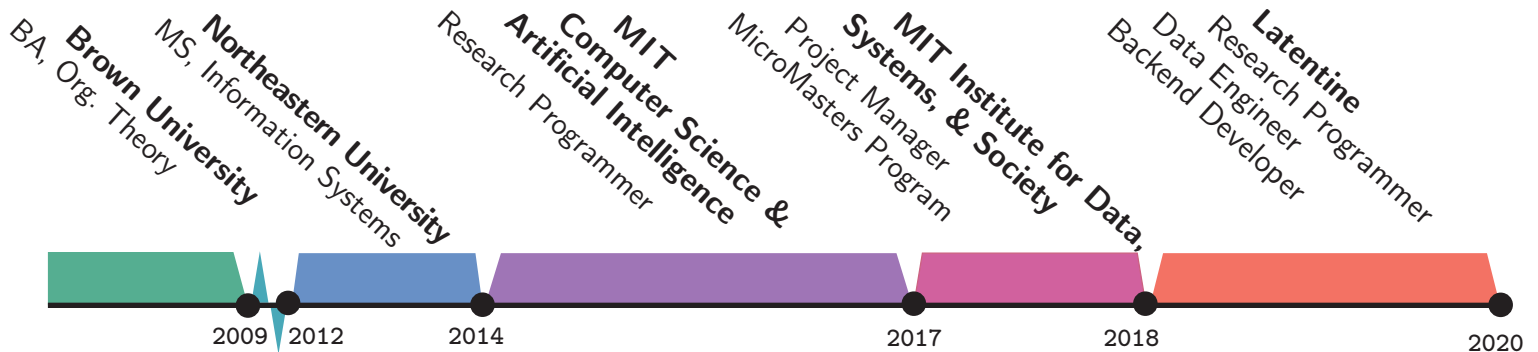
Ocean Shipping Predictions

Python Pandas · TensorFlow · Google BigQuery

x5 2018-2019

- 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
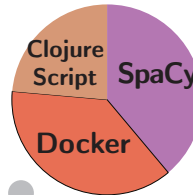
Transcript Transcription

Clojure Script · SpaCy · Docker

x5 2019

- 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
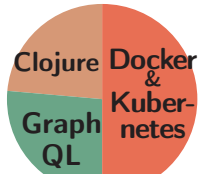
Robot Studio (Kubernetes + ML)

Clojure · Docker & Kubernetes · GraphQL

x5 2018-2020

- 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

Aurum (React.js + Python)

Elasticsesarch · Java · React.js · Python
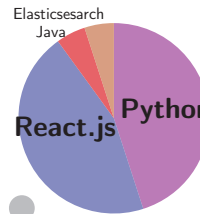
x3 2016-2017

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

Comic Science (Organizing)

Coalation Building, SCRUM

x25 2019-ongoing

- 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

DataHub (django + SQL)

Postgres SQL · Thrift · Python
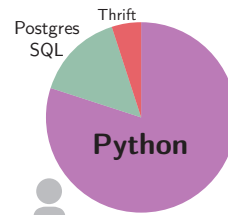
x5 2015-2016

- 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			

xN = N additional teammates