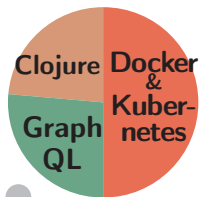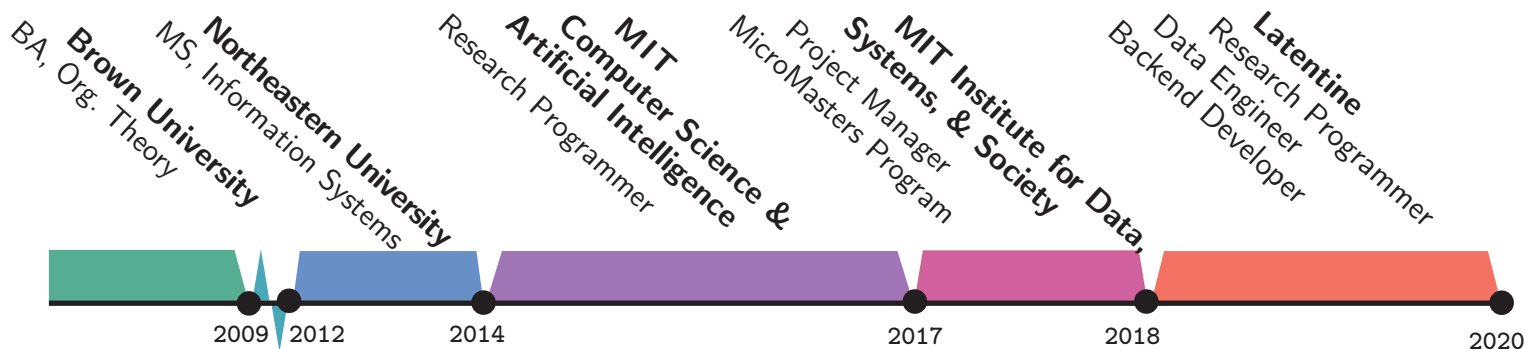# Albert R Carter
Data Engineer & Programmer

Berlin, Germany,
Nimegen Netherlands
(willing to work remotely)
al@albertrcarter.com
github.com/RogerTangos
https://albertrcarter.com

Brown University
BA, Org. Theory

Northeastern University
MS, Information Systems

MIT
Computer Science &
Artificial Intelligence
Research Programmer

MIT Institute for Data,
Systems, & Society
Project Manager
MicroMasters Program

Latentine
Research Programmer
Data Engineer
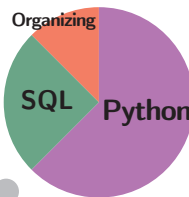Backend Developer

2009 2012 2014 2017 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

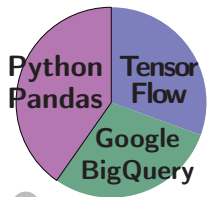x5 2018-2020

Pie: Clojure, Docker & Kubernetes, GraphQL

LostLeaks (Python)

- an investigation into questionably repaired methane leaks in the Boston Area
- Cleaned + processed utility leak data
- publicized findings, helping pass city and state legislation

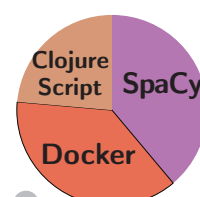lostleaks.csail.mit.edu

x3 2016

Pie: Organizing, SQL, Python

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

x5 2018-2019

Pie: Python Pandas, TensorFlow, Google BigQuery

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
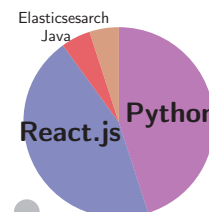
x5 2019

Pie: Clojure Script, SpaCy, Docker

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

x25 2019-ongoing

xrscience.earth

Pie: Coalation Building, SCRUM

Aurum (React.js + Python)

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

x3 2016-2017

Pie: Elasticsesarch, Java, React.js, Python

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			

x**N** = N additional teammates