

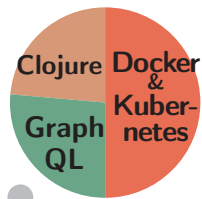
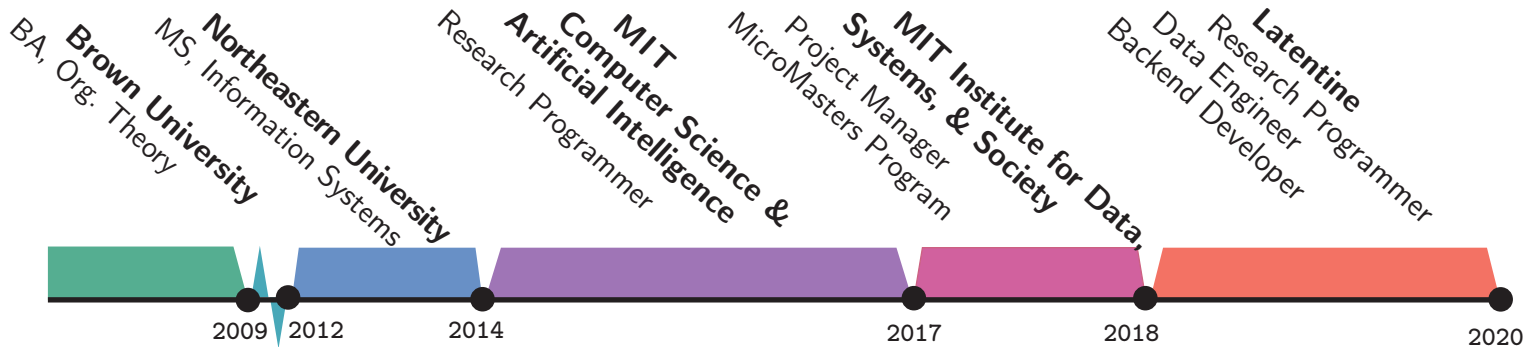
# Albert R Carter

## Environmental-Financial Activist, Programmer

I was referred by Matt Lord, have experience using data for environmental activism, and maintain an active interest in finance. Though I am aware of the potential strangeness of an EU resident (US Citizen) working with a US activist group, I believe there is a large amount that I offer, potentially on a contract basis. I would love the opportunity to speak with you.

Kindly, Albert Carter

Berlin, Germany,  
Nimengen Netherlands  
(willing to work remotely)  
[al@albertrcarter.com](mailto:al@albertrcarter.com)  
[github.com/RogerTangos](https://github.com/RogerTangos)  
<https://albertrcarter.com>

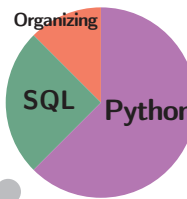


### Robot Studio (Kubernetes + ML)

- 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



2018-2020



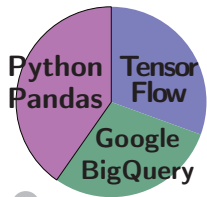
### LostLeaks (Python)

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



2016

[lostleaks.csail.mit.edu](http://lostleaks.csail.mit.edu)

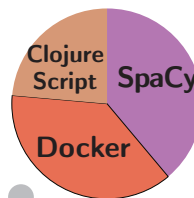


### Ocean Shipping Predictions

- 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



2018-2019



### 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



2019



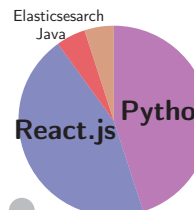
### Comic Science (Organizing)

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



2019-ongoing

[xrscience.earth](http://xrscience.earth)



### Aurum (React.js + Python)

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



2016-2017

## 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