

Carlo Heftel Liquido

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Portfolio - <http://koalaboy808.github.io/>

EDUCATION

University of California Berkeley 2017 – *Master of Information and Management Systems* (Expected)

- Focus Areas: Data Visualization, Web Development, Data Science, NLP, Spatial Analytics, Smart Cities, Education

Brown University 2012 - *Bachelor of Arts, Economics*

TECHINAL SKILLS

Programming Languages: Python, R, HTML, CSS, Javascript, SQL, Java

Technologies: Git, d3.js, Tableau, Flask, Django, RStudio, MongoDB, Postgres, PostGIS, Heroku, Illustrator, Photoshop

AWARDS / PROJECTS

Labor2Day | *2nd Place Smart Cities Hackathon* *Spring 2016/Fall 2015*

- During this hackathon, our team created a text-based messaging system called Labor2Day to connect day laborers with local employers. Using Twilio, information from laborers are automatically processed real time in our database. Due to recent interest from investors and stakeholders in Berkeley, we are currently pursuing this social venture further.

Find'NRide | *Full-Stack Development* *Fall 2015*

- Built web app (Django) that combines Yelp, Google, Uber APIs to query and find top food item matches. Actively involved in the entire fullstack development processes. Specifically tackled Django integration and Uber and Google APIs.

Emojineering | *Data Scientist (NLP)* *Fall 2015*

- Lead efforts in using Machine Learning and Natural Language Processing techniques to handle cleaning, supervised clustering, and classifying. Using nearly 1 million tweets, we created an emoji tool (using Python's NLTK and SciKitlearn) that could assign the appropriate emoji to a given piece of text.

Public Report Department of Education | *Data Visualization* *Apr 2015*

- Developed data visualizations using R for each of 286 public schools in accordance with new State measures; the code takes into account scalability and flexibility and will be used for future annual reports; the iterative approach refined the structure of the assessment data pipeline; co-programmed interactive dashboard of final measurements in d3.js

WORK EXPERIENCE

Climate tools and Collaborative Science | *Web and Research Developer* *Jan 2016 - Current*

- Aide Berkeley graduate project develop open source tools (Python; MongoDB) to better understand the risks of climate change. Initial tasks: tackle unit testing (Numpy; Nose); create a single data system from disparate spatial data (NetCDF)

Fundación Chile | *Freelance Data Analyst* *Jan 2015 - Apr 2015*

- Built analytics tools for the sustainability team to leverage their lifecycle product database in a way that delivered technical information in a tangible way for producers and consumers alike.
- Created a visualization model for select agricultural productions in both Shiny by RStudio and Tableau.

Hawaii Department of Education | *Data Analyst and Visualization Specialist* *Dec 2013 - Apr 2015*

- Collaborated with the Strategic Data Fellow to address systemic challenges within the public education system by building an accountability system that leveraged time series data on nearly 200,000 students and 13,000 teachers
- Instructed 'Data Governance' team weekly on data shaping and custom visual modeling techniques using R.

We Tutor Hawaii | *Founder and Owner* *June 2013 - Dec 2014*

- Founded an online community marketplace, which strives to connect tutors and students across the State.
- Hired and managed team of developers and designers to create and maintain the website.