



# Joey Gracey

Software Developer & Hacker

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English

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## BACKGROUND

### ABOUT

Looking for exciting opportunities to revolutionize human understanding with data.

### WORK EXPERIENCE

#### Software Engineer, Yewno

Feb, 2016 - Present

As engineer #2, I designed and built critical infrastructure that thrived in our rapidly iterative environment and provided a strong base to further develop our product ecosystem

- Designed and built key infrastructure, including data APIs, data viz UI (React/Redux/D3), JWT SSO user auth and scalable access control framework.
- Designed developer workflow for tracking, integrating and shipping code to staging, integration and production environments.

#### Student Mentor, Lighthouse Labs

Oct, 2015 - Feb, 2016 3 months

Teach highly motivated students the best practices in Web Development, including Nodejs, Ruby on Rails, React, Object Orientated Programming, Software Architecture & Test Driven Development.

### **Lead Developer, Leavetown Vacations**

Nov, 2014 - Oct, 2015 11 months

Responsible for the entire stack behind a company doing >\$2M/year in revenue.

- Migrated many of the company's services over to a MEAN stack from VB.NET Webforms
- Re-architected business-facing & guest-facing sites to use micro-service architecture

### **Co-founder, Loodo Analytics**

Dec, 2013 - Oct, 2014 10 months

IoT startup I co-founded. Used Raspberry Pis to harvest WiFi MAC addresses to provide insights into customer retention, marketing feedback & growth. iOS 8 ended the fun by breaking spec & scrambling the MAC address on probe requests.

- Offered a \$25k termsheet in 48 hours.
- Only New Ventures BC semi-finalist in 2014 controlled by recent university graduates.
- Mentors include VP-BizDev @ SAP and Chairman @ Recon Instruments.
- Iterated through many analytics stacks, including MySQL, neo4j, MongoDB (including Minimongo!) & Redis

### **Software Engineer, IC Shore**

Jan, 2014 - Nov, 2014 10 months

Responsible for maintaining and improving our financial market analysis toolkit

- Spearheaded the effort to move our application off the desktop and into the clouds.
- Wrote library to track errors in our data feed and flag them for further interrogation

## **SKILLS**

### **Server-side Javascript**

Nodejs

ES6

Babel

Grunt

Gulp

HAProxy

## Client-side Javascript

Angular

{D3,Crossfilter,NVD3,Rickshaw}.js

JQuery

React

Browserify

Webpack

## Python

tornado

django

## React

Composition > Inheritance

Higher Order Components

Component Hierarchy

Re-useable Components

## Redux

data immutability (immutable.js)

sagas

thunks

timetravel

state persistance & hydration (Local, Server-side)

## Web Development

HTML

Material Design

CSS

SASS

LESS

Webpack

## Dev Ops

Docker

Docker-compose

AWS

Azure

Index Optimization (noSQL && SQL)

Load Balancing

Replication, Availability and Failover

HAProxy

## Data Storage

Dynamo

Elasticsearch

Postgres

Redis

neo4j

MySQL

Mongo

MS-SQL

## EDUCATION

Major: Computer Science, Minor: Economics, B.Sc, University of British Columbia

Sep, 2009 - Dec, 2013

Machine Learning

Advanced Operating Systems

Advanced Databases

Distributed Systems

Artificial Intelligence

Internet Computing

Partial Differential Calculus

Linear Algebra

Econometrics

International Finance

## REFERENCES

Don Burkes- Head Instructor @ Lighthouse Labs

Joey brings both a profound depth and breadth of skill to every project on which he works. Having him share his knowledge and experience at Lighthouse has been a tremendous benefit to both staff and students.