

# David Adler

## Curriculum Vitae

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Dual-nationality: Brazilian-British



## Experience

- Apr 2014 **Software engineer**, *Chaordic, Florianopolis, Brazil.*
- to Jun 2015
- Brazil's largest e-commerce platform company, integrated with over 60% of Brazil's e-commerces.
  - Developed search platform. Web stack includes elasticsearch, angularjs, python (Flask), redis, git, rsync, amazon services (EC2, cloudfront), docker, ansible and nginx.
  - Lead javascript developer for search team.
- Feb 2014 **Web developer**, *Aentropico, Rio de Janeiro, Brazil.*
- Data visualizations with d3js.
  - Web stack included angularjs, nodejs, amazons3 and mongodb.
- Aug 2013 **Web developer**, *SuperAwesome, London, UK.*
- to Dec 2013
- Innovated and developed a front-end automator web app which optimized front-end build time from 5 hours to 1 minute. Made several presentations on this web app.
  - Maintained front and backend. Built content management system for website.
  - Using django, heroku, S3 storage, git, javascript, HTML5 canvas, HTML and CSS.
  - Developed multiple HTML5 canvas mini-games.
- Sep 2011 **Neuroscience Research Intern**, *Functional Neuroanatomy Lab, IkerBasque, Spain.*
- to Sep 2012
- Developed presentation skills in regular boardroom meetings.
  - Project: Investigated changes in cell morphology of astrocytes in the triple transgenic mouse model of Alzheimer's disease. Developed skills in data analysis, fluorescence microscopy and immunohistochemistry.

## Education

2013 **Massive Open Online Courses**

- to current
  - Hardware software interface, University of Washington, Coursera.
  - Javascript design patterns, Udacity.
  - Mobile web development, Udacity.
  - Web development, Udacity.

2009–2013 **2:1 (69%) BSc Honours Neuroscience**, *University of Manchester*, UK.

- Averaged 1st in core neuroscience modules.
- Demonstrated drive and creativity by designing my own final year project *de novo*.
- Project (awarded 1st): Disproved validity of a pioneering artificial intelligence algorithm. Created my own computational model of learning networks of the brain. Gained experience in computational modelling and machine learning.

2007–2009 **A levels**, *Ibstock Place School*, London, UK.

Physics (B), Maths (B), Biology (B). AS level: French (B).

2005–2007 **GCSEs**, *Ibstock Place School*, London, UK.

1A\*, 5As, 4Bs + Triple Science.

Languages English (native), Portuguese (fluent), French (advanced) and Spanish (intermediate).

Academic ○ Featured in the University of Manchester Undergraduate Prospectus.

Honours ○ Silver Award in UK National Mathematics Challenge.

○ Advanced one year for academic attainment in primary school.

## Technical skills

- I **love** to code! In my spare time I enjoy studying and building my ideas. I have strongest interest in web development but also enjoy AI and solving coding problems.

Language	Experience	Competence
Python	5 years experience and favourite language. Developed professionally with django and Flask for websites serving 1000 rpm. Competent with: django, webapp2, Flask, numpy/scipy, pybrain, matplotlib, selenium, BeautifulSoup, elasticsearchpy.	High
Javascript	5 years experience. Familiar with several MVCs especially angularjs and I have done a course in JS design patterns. Built several HTML5 canvas games. Also strong experience with nodejs, expressjs, web sockets, mongodb and d3js. Experience with testing using karma, jasmine and phantomJS.	High
C	First language, built good understanding of statically typed languages and CS theory.	Medium
Go	Small amount of functional programming and experimented with a chat server, but would like to learn more.	Low
CSS	Familiar with SASS, LESS, grunt and building performant fluid designs. Interested in color systems and typography.	High