

David Adler

Curriculum Vitae

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Dual-nationality: Brazilian-British



Experience

- Apr 2014 **Software engineer**, *Chaordic, Florianopolis, Brazil.*
- to Current
- Helped develop a personalized search platform for large Brazilian e-commerce sites.
 - Web stack includes elasticsearch, angularjs, python (Flask), redis, git, docker and nginx.
 - Principally responsible for javascript code.
- Feb 2014 **Web developer**, *Aentropico, Rio de Janeiro, Brazil.*
- Data visualizations with d3js.
 - Web stack included angularjs, nodejs, amazons3 and mongodb.
- Autumn 2013 **Web developer**, *SuperAwesome, London, UK.*
- 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.
- 2011–2012 **Neuroscience Research Intern**, *Laboratory of Functional Neuroanatomy, Iker-Basque, Spain.*
- 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 Honours
- Featured in the University of Manchester Undergraduate Prospectus.
 - 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 |

Interests

- Slacklining At ground level, I use the slackline as a thin trampoline and have since been sponsored and competed at national level.
- Cycling I enjoy the challenge of bicycle touring and have travelled thousands of miles through Europe by bicycle.