

David Adler

Curriculum Vitae

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Dual-nationality: British-Brazilian



Experience

05/15 current **Founder and Lead Developer**, *Fube, Remote*

- A music discovery tool I created to scratch my own itch. Fube aggregates songs shared from across your facebook network. <http://fube.io>
- Web stack includes ruby on rails, resque, rspec, angularjs, karma, gulp, guard, browserify, scss, heroku, BDD.

04/14 – 05/15 **Software engineer**, *Chaordic, Florianopolis, Brazil*.

- Brazil's largest e-commerce recommendations company, integrated with over 60% of Brazil's e-commerce.
- Web stack includes elasticsearch, angularjs, python (Flask), redis, git, rsync, amazon services (EC2, cloudfront), docker, ansible and nginx.
- Lead javascript developer for search team.

02/14 – 03/14 **Web developer**, *Aentropico, Rio de Janeiro, Brazil*.

- Data visualizations with d3js.
- Web stack included angularjs, nodejs, amazons3 and mongodb.

08/13 – 12/13 **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.

09/11 – 09/12 **Neuroscience Research Intern**, *Functional Neuroanatomy Lab, IkerBasque, 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 current **Massive Open Online Courses**

- Compilers, Stanford University, Coursera (current)
- Algorithms Part I, Princeton University, Coursera
- Hardware Software Interface, University of Washington, Coursera
- Object Oriented Programming in Java, University of California, Coursera
- Intro to Algorithms, Udacity
- Javascript Design Patterns, Udacity
- MEAN Stack, EdX
- Relational Databases, Udacity
- Web development, Udacity

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

- Demonstrated drive and creativity by designing my own final year project without assistance.
- 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).

Technical skills

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.

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| 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. |
| 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 node, npm, gulp, grunt, expressjs, web sockets, mongodb and d3js. Experince with testing using karma, jasmine and phantomJS. |
| Ruby | 1 years experience with Ruby on Rails whilst building Fube. |
| SQL | 2 years experience, competent at writing efficient join queries. |
| C | First language, built good understanding of statically typed languages and CS theory. |
| Java | Used whilst studying courses on algorithms and data structures. |
| HTML & CSS | Familiar with SASS, LESS, grunt and building performant fluid designs. Interested in grid systems, color systems and typography. Competent in several CSS3 features such as flexbox and animations. Familiar with HTML5 semantics, canvas, svg and others. |