

# David Adler

## Curriculum Vitae

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Dual-nationality: British-Brazilian

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*Full stack python, node, angular developer in search of UK contract work, ideally in renewables sector and extending to remote work.*

## Experience

Sep 15 – current **Freelance Developer**, *Upwork, Remote*

Node, angular, python, SQL, web sockets. [Work history and portfolio.](#)

Jun 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, angular, karma, gulp, guard, browserify, scss, heroku, BDD.

Apr 14 – Jun 15 **Software engineer**, *Chaordic, Florianopolis, Brazil.*

- Lead javascript developer for search team.
- Brazil's largest e-commerce recommendations company, integrated with over 60% of Brazil's e-commerce.
- Web stack includes python (Flask), angularjs, elasticsearch, git, redis, rsync, AWS (EC2, S3, cloudfront), docker, ansible and nginx.

Feb 14 – Mar 14 **Web developer**, *Aentropico, Rio de Janeiro, Brazil.*

- Data visualizations with d3js.
- Web stack included angular, node, amazon S3 and mongodb.

Aug 13 – Dec 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.

Sep 11 – Sep 12 **Neuroscience Research Intern**, *Functional Neuroanatomy Lab, IkerBasque, Spain.*

- Presented scientific findings in regular boardroom meetings.
- Project: Investigated changes in cell morphology of astrocytes in the triple transgenic mouse model of Alzheimer's disease. Data analysis, fluorescence microscopy and immunohistochemistry.

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## 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
- **Udacity:** Intro to Algorithms, Javascript Design Patterns, Relational Databases, Web development. **EdX:** MEAN Stack

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

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

### 2005 – 2009 **Secondary education**, *Ibstock Place School*, London, UK.

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

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

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

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## Technical skills

In my spare time I enjoy studying and building my ideas. I am most interested in web development but also enjoy AI and solving coding problems.

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 angular and even wrote my own. Built several HTML5 canvas games and some d3 visualizations. Also strong experience with node, npm, gulp, grunt, express, web sockets and mongodb. Experience with BDD and TDD using karma, jasmine and phantomJS.
Ruby	1 years experience with Ruby on Rails whilst building Fube.
SQL	2 years experience using mysql and postgres. Competent at writing efficient join queries and designing normalized schemas.
C	First language, good understanding of statically typed languages and CS theory.
Java	Used whilst studying courses on algorithms, data structures and object oriented principles.
HTML & CSS	Familiar with SASS 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.
Linux	Experience with general linux sys admin. Familiar with docker, bash and zsh.

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## Interests

Low carbon technology, surfing, acrobatics, playing bossa nova guitar, coffee brewing.