David Adler

Curriculum Vitae

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Dual-nationality: British-Brazilian
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Experience

May 16 – current   **Full Stack Contractor**, *Cloudfind, Bath, UK*
- Django, angular, postgresql, celery.
- File organization software using drive and dropbox APIs.

Sep 15 – May 16   **Freelance Full Stack Developer**, *Upwork, Remote*

Node, angular, python, SQL, web sockets.

Jun 15 – May 16   **Founder and Lead Developer**, *Fube, Remote*
- Web stack includes ruby on rails, resque, rspec, angular, karma, gulp, guard, browserify, scss, heroku, BDD.
- A social music discovery startup I created to scratch my own itch. Fube aggregates songs shared from across your facebook network. http://fube.io
- Fube has officially been approved by facebook, has over 300 users and is currently in it's beta phase.

Apr 14 – Jun 15   **Full Stack Developer**, *Search Team - Chaordic, Florianopolis, Brazil.*
- Web stack includes python (Flask), angularjs, elasticsearch, git, redis, rsync, AWS (EC2, S3, cloudfront), docker, ansible and nginx.
- Brazil's largest e-commerce recommendations company, integrated with over 60% of Brazil's e-commerce. Search requests exceeding 6k RPM.
- Developed the autocomplete widget which lead to a 50% increase in search usage and 10% increase in ecommerce sales.
- Optimized backend and frontend which was crucial in an AB test win against global leaders in ecommerce search, SLI systems.
- Lead javascript developer for search team.

Feb 14 – Mar 14   **Full Stack Developer**, *Aentropico, Rio de Janeiro, Brazil.*
- Data visualizations with d3js for machine learning startup. Web stack includes angular, node, amazon S3 and mongodb.

Aug 13 – Dec 13   **Full Stack Developer**, *SuperAwesome, London, UK.*
- Web stack includes django, javascript, heroku, S3 storage, git, HTML5 canvas.
- Innovated and developed a front-end automator web app which optimized front-end build time from 5 hours to 1 minute. Presented web app to complete staff.
- Developed multiple HTML5 canvas mini-games.

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).

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, mocha and phantomJS.

Ruby 1 years experience with Ruby on Rails whilst building Fube.

SQL 2 years experience using mysql and postgresql. 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 Experienced with SASS and building performant fluid designs. Interested in grid systems, color systems and typography. Competent in several CSS3 features such as flexbox, animations and transitions.

Linux Experience with general linux sys admin. Familiar with docker, bash and zsh.

Interests

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