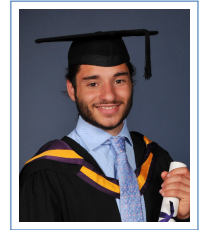


David Adler

Curriculum Vitae

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Dual-nationality: Brazilian-British



Education

- Feb 2015 **Mobile web development**, *Udacity*
 - Fundamentals for building cross platform optimized mobile web apps.
- Feb 2015 **Javascript design patterns**, *Udacity*
 - Fundamentals of writing reusable javascript and deep understanding of MVCs.
- May 2013 **Web development course**, *Udacity*
 - Basics of APIs, databases, security and caching.
- 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.

Experience

- Apr 2014 **Software engineer**, *Chaordic, Florianopolis, Brazil*.
- to Current
 - Web stack includes elasticsearch, angularjs, python (Flask), git, docker and nginx.
 - Principally responsible for javascript code.
- Feb 2014 **Web developer**, *Aentropico, Rio de Janeiro, Brazil*.
 - Web stack includes angularjs, nodejs, amazons3 and mongodb.
 - Data visualizations with d3js.
- 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.

Leadership roles

2012–2013 **Founder and chair**, of *University of Manchester Slackline Society*.

Developed management skills by organizing events and managing studies in parallel.

2012–2013 **Committee member**, of *University of Manchester Ultimate Programming Society*.

Gave a talk on google apps script and google app engine to a room of 50 persons.

Code skills

- I **love** to code! I have strongest interest in web development but also enjoy AI and solving coding problems.

Language	Experience	Competence
Python	4 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	4 years experience. Familiar with several MVCs especially angularjs and I have done a course in JS design patterns on udacity. 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, mostly trivial side projects but a reasonable understanding.	Medium
Java	A few simple android apps. Currently enrolled in a course.	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 fluid designs. Interested in color systems and typography.	High