

Michael Gomes Vieira  
121a Rucklidge Avenue, London, NW10 4QB  
Telephone: 07403386460  
[mgomesvieira@outlook.com](mailto:mgomesvieira@outlook.com)

## EDUCATION

---

**London School of Economics**

**MSc (Distinction) Political Science and Political Economy** 09/2016 – 09/2017

**University of Durham BSc (2.1 Hons.) Natural Sciences – Physics & Philosophy** 10/2010 – 06/2013

**Capital City Academy**

**A Levels: Physics A\* – Maths A\* – Biology A – (AS Level) Chemistry A** 09/2008 – 07/2010

- Only student in year group to achieve A\*s at A-Level

**GCSEs: 10 'A\*-C' GCSEs including Maths and English** 09/2003 – 07/2008

## EMPLOYMENT HISTORY

---

**Just Eat Takeaway, London**

**Data Scientist** 12/2021 – present

- Reduced costs on Sponsored Restaurant Rankings for app users while maintaining performance

**Sainsbury's, London**

**Data Scientist** 11/2019 – present

**Associate Data Scientist** 05/2018 – 11/2019

- I developed an algorithm optimising the selection of substitute products for online orders. The algorithm used the linear programming functionality in the or-tools python package to optimise the suggested substitutes for price difference partial refunds and rejection rate. It has reduced the rejection rate of substitutes by 18%, reducing lost revenue by £2million.
- Developed an algorithm that prioritises the replenishment of delivery units into store by targeting delivery units with stock for online orders that was low in stock. The algorithm led to an extra £12million worth of items a year being successfully picked for online orders.
- I also developed an algorithm that sorts shopper feedback comments into topics and uses a logistic regression model to classify the feedback into positive and negative comments.
- Worked on an algorithm that used clustering to optimise the layout of products at Sainsbury's Depots, so that delivery units were more store friendly. The reduction in replenishment time of the delivery units was estimated to save the business £400k annually.
- Line managed two interns in the Sainsbury's Data Science team.

**AdExperiments, London**

01/2018 – 04/2018

**Data Science Intern**

- Manage creative studies, measuring the impactfulness of digital adverts on their intended audience
- Leveraging R, SQL and Microsoft Excel to pry out statistically proven consumer insights
- Developing software and updating back-end processes to support data collection and visualisation using Go Language

**Whitgift School, London**

09/2014 – 07/2016

**Learning Support Assistant**

ZenithOptiMedia, London  
Content Marketing Intern

12/2013 – 01/2014

---

## POSITIONS OF RESPONSIBILITY

London Cycling Campaign, London  
Campaign Organiser

05/2014

---

## SKILLS & LANGUAGES

- Python, Pandas, Scikit-Learn, OR-Tools, Seaborn, Matplotlib, R, Bash, Stata, SQL, Java, Go Language, JavaScript, CSS, HTML, Eleventy
- Fluent level of Portuguese

---

## INTERESTS & PROJECTS

- Mainly web development, I'm a bit of a small web obsessive you can find my [projects](#) and [blog](#) at [michaelgy.uk](http://michaelgy.uk)
- Stand-up comedy, I once performed at The Comedy Store in London. Watch it here: <https://www.youtube.com/watch?v=6miCy-nmXIY>
- I captain a co-ed 5-a-side football team in a weekly 5-a-side football league.
- I'm a big Fantasy Premier League fan. My best ever finish was [2382 out of 7 million FPL players in the 2019/20 season](#).
- I once wrote a personal blog on British Politics, [itisok2flipflop.wordpress.com](http://itisok2flipflop.wordpress.com). One post was shared over 500 times on Facebook. Twice I've been retweeted by a former advisor to Tony Blair.