

# Tom Martin

[tpgmartin.com](http://tpgmartin.com)

[linkedin.com/in/tpgmartin](https://linkedin.com/in/tpgmartin)

[github.com/tpgmartin](https://github.com/tpgmartin)

[twitter.com/tpgmartin](https://twitter.com/tpgmartin)

## Profile

Data scientist with previous commercial experience as a software engineer in companies ranging from startups to large e-commerce companies. Able to bring together experience from both fields to deliver impactful business solutions. Created projects using Python and related libraries, Tableau, AWS, and NoSQL technologies. Currently studying Data Science MSc, graduating in 2020. Looking for a data scientist role in a company where I can flourish in my career and develop my technical skills.

## Experience

### Data Scientist

**Apr 2019 (current)**

Capita Employee Solutions, 65 Gresham Street, London

### Data Scientist

**Nov 2017 - Mar 2019**

Skills Matter, Finsbury Circus House, 10 South Place, London

- Initiated drive to become data-driven organisation, identifying KPIs with product teams. Creating visualisations and Tableau dashboards, integrations with Metabase and Slack.
- Identified customer segments using RFM analysis.
- Identified trending StackOverflow topics using exponentially weighted moving average/variance of tag usage in new questions, for use in course portfolio management.
- Created data pipeline, reading from multiple third-party data sources and writing to AWS redshift.
- Created Flask web app to view and summarise conference reviews. Ranks conferences using lower bound of the Wilson score confidence interval for a Bernoulli parameter. Use sentiment analysis to provide summaries of written reviews.
- Mentoring junior members of staff on using data analysis tools.

### Software Engineer II

**Aug - Nov 2017**

OpenTable, Alphabeta Building, 14 -18 Finsbury Square, London

- Updated and maintained entire pipeline for promotions and offers, including database, online editor, APIs, frontend. Lead to full integration and support of offers across microsites.
- Created API to support multilingual translations of promotions, to enable seamless user experience regardless of domain or language
- Updated concierge website frontend, utilised GraphQL to streamline

database access.

- Created mobile-first responsive frontend for international launches.

## **Software Engineer I**

**Dec 2014 - Jul 2017**

OpenTable, Alphabeta Building, 14 -18 Finsbury Square, London

## **Developer**

**May - Oct 2014**

Modaventure, Google Campus, London

- Created frontend for contractor recruitment platform using AngularJS.

## **Public Speaking**

- [The Why of Data-Driven Organisations](https://skillsmatter.com/skillscasts/11885-lightning-talk-the-why-of-data-driven-organisations), Infiniteconf 2018, July 2018, video: <https://skillsmatter.com/skillscasts/11885-lightning-talk-the-why-of-data-driven-organisations>. A talk about the key motivating factors for a business aspiring to become “data-driven”
- [Neural Networks from Scratch](https://skillsmatter.com/skillscasts/9959-neural-networks-from-scratch), Infiniteconf 2017, July 2017, video: <https://skillsmatter.com/skillscasts/9959-neural-networks-from-scratch>. An introduction to how artificial neural networks work, including their architecture and the gradient descent learning algorithm, with code samples.
- [The Brief on Developer Book Clubs](#), London Web Standards, January 2017. A review of the motivations for and progress of a book club I initiated at OpenTable.
- [Progressive Web Applications](#), Web Platform London, December 2016. A look at the key APIs behind progressive web apps: service workers, cache API, fetch API.

## **Courses**

### **Machine Learning Engineer Nanodegree**

**Sep 2016 - Feb 2017**

Udacity, online

- Capstone: MNIST digit classification with SVM-KNN ensemble
- [Project available on GitHub](#)

### **Web Development Immersive**

**Dec 2013 - Mar 2014**

General Assembly, London

## **Education**

### **Data Science MSc**

**2018 - 2020**

City, University of London

### **Physics with Theoretical Physics MSci, First Class**

**2008 - 2012**

Imperial College London

- Undergraduate Research Opportunities Programme (UROP) June - August 2011