

# Keian Barton

Bath, BA1

keianbarton@hotmail.co.uk

<https://www.linkedin.com/in/keianbarton>

Graduate Software Engineer with 1 year's experience in the data analytics industry. Achieved high first-class degree in Mathematics. Strong analytical and technical skills underpinned by a friendly approach. Looking for an exciting opportunity to kick-start a career as a web developer, with a keen interest in UI/UX design.

## Employment History

- **Civica UK Limited: Graduate Software Engineer – Harrow London Borough Council (Apr 2017 – present)**
  - Development activities (C#, SQL, CSS, XML) using Git version control e.g. coding, debugging, code reviews.
  - Unit testing with the NUnit framework and writing/executing integration tests.
  - Agile way of working (e.g. sprints, retrospectives, poker planning) TFS / VSTS environment.
  - Completed Pluralsight course *UX Fundamentals*.
  - Leading on improving test strategy within our team e.g. testing standards, migrating test cases/results to VSTS.
- **Civica UK Limited: Graduate Software Engineer – Rail Delivery Group (Oct 2016 – Apr 2017)**
  - Manual test execution and verifying software adheres to functional requirements with use of TestRail, Excel and AWS.
  - Reporting and verifying issues with appropriate levels of severity, technical detail and clear reproduction steps in JIRA.
  - Liaising with developers to ensure test expectations are accurate and realistic with software constraints.
  - Management and responsibility of non-functional test documentation and acceptance criteria written in Gherkin style syntax
  - Self-taught Java 8 in Eclipse over the summer (75 hours) and completed four week Java induction training at Civica.
  - Completed Pluralsight courses including *Clean Code: Writing Code for Humans*, *Software Engineering Essentials* and introductory *Code School* courses into JavaScript, HTML and CSS.
- **University of Bath: Undergraduate Tutor (Oct 2015 – Dec 2015)** I was responsible for running weekly tutor sessions on "Programming & Discrete Maths" for 16 first year undergraduates, as well as marking their exercise sheets.
- **O2 (Telefónica UK): Insight Analyst (Jul 2014 – Jul 2015)** I spent my placement year at O2, working in the Business Insights team in a data analytics role.
  - Collaborating with and understanding stakeholder needs to define and deliver insight relating to O2's business-to-business customer base, including profiling and behaviour e.g. customers moving up the value chain. Insight used by stakeholders to shape propositions e.g. customer loyalty schemes, as well as producing retrospective analysis to measure their success.
  - Delivering presentations to stakeholders with eye-catching visualisations in non-technical language to highlight trends.
  - Writing complex code using Teradata SQL Assistant or SAS to produce datasets for statistical analysis.
  - Being responsible for the integrity of business profitability data and associated reporting; leading change processes to mitigate risks of changing data sources and systems.
  - Producing documentation of reporting and systems, including constraints, key dependencies, business rules and RACI matrices for on-going business-critical processes.

## Education

- **University of Bath: BSc (Hons) Mathematics with Placement (2012 – 2016)**
  - First year** – 85.9% (*Algebra, Analysis, Methods and Applications, Programming and Discrete Maths, Statistics and Probability*)
  - Second year** – 90.1% (*Algebra, Analysis, Electricity and Magnetism, Modelling and Dynamical Systems, Numerical Analysis, Ordinary Differential Equations, Partial Differential Equations, Quantum and Atomic Physics*)
  - Third Year** – 87.5% (*Complex Analysis, Dynamics and Chaos, Graphs and Networks, Linear Control Theory, Mathematical Biology, Metric Spaces, Projective Geometry, Statistics*)
  - The Bath Award** (extra-curricular achievement)
- **Borden Grammar School (2004 – 2012)**
  - A-levels** (2012): 3 A\*s, 1 A; **AS-levels** (2011): 1 A; **STEP** (2012): STEP II (3), STEP III (3); **GCSEs** (2010): 7 A\*s, 3 As, 1 B

## Volunteering

- **Civica Donate-a-Day (Mar 2017)** Supported The Life Project in providing disabled children with gardening opportunities.
- **Think Big (Jul 2014 – Jul 2015)** Think Big is part of O2's CSR. I led a group of local school children to create a business pitch, worked on two farms and supported the development and delivery of a recycling chargers' initiative with other interns.
- **University of Bath: Freshers' Week Crew (Sept 2015)** I took shifts to support the running of Freshers' Week with a crew of volunteers. I directed students around campus and provided pastoral support for over 100 students in halls.
- **Bath Council (Aug 2014)** I worked with Bath Council to record a song to use in community volunteering promotions.
- **University of Bath: RAG Fundraising Campaign (Aug 2014)** I raised £662.50 for Cancer Research UK by abseiling down Avon Gorge, partaking in a sponsored silence and shaving my head.
- **University of Bath: Merchandise Officer (Oct 2013 – May 2014)** I was responsible for creating clothing designs (Serif suite), user research and selling merchandise for the maths society.
- **University of Bath: Nightline (Feb 2013 – Sept 2013)** Nightline is a university welfare service manned by students throughout the night. I was fully trained in taking calls using reflective communication and an empathetic approach.

## Interests

- I am passionate about composing, playing and recording music. I sing and play the piano (grade 5) and I am experienced in audio recording and editing in Logic Pro X. In the past I have played in a number of charity concerts.

## References

Available on request