Keian Barton

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Graduate Software Engineer with 1 year's experience in the software industry. Achieved high first-class degree in Mathematics. Strong analytical and technical skills underpinned by a friendly approach. Looking for an exciting opportunity to apply modern technologies and agile methodologies in a collaborative team promoting high quality and clean software practices.

Professional Experience

Civica Digital | Graduate Software Engineer   *Oct 2016 – Sep 2017*

Harrow London Borough Council   *Apr 2017 – Sep 2017*
> Development activities (C#, SQL, CSS, XML) using Git (Git Bash, TortoiseGit) e.g. coding, debugging, code reviews.
> Agile way of working (e.g. sprints, retrospectives, poker planning) in a TFS / VSTS environment.
> Unit testing using NUnit, writing/executing integration tests and some exposure to Moq.
> Leading on improving team's test strategy including documenting standards and migrating test cases/results to VSTS.
> Completed courses including introductions into JavaScript, HTML, CSS, AngularJS and JQuery.

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 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 courses including *Clean Code: Writing Code for Humans* and *Software Engineering Essentials*.

University of Bath | Undergraduate Tutor   *Oct 2015 – Dec 2015*
Ran weekly tutor sessions on "Programming & Discrete Maths" for 16 first year undergraduates.

O2 | Insight Analyst   *Jul 2014 – Jul 2015*
> Collaborating with and understanding stakeholder needs to define and deliver insight relating to O2's B2B customer base.
> 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.
> Documenting on-going business-critical processes, including constraints, key dependencies, business rules and RACI matrices.

Education

University of Bath | BSc (Hons) Mathematics with Year in Industry **|** First-class honours (88.3%)   *2012 – 2016*
Coursework provided experience of linear modelling and statistical theory in R and various mathematical applications in MATLAB. University projects included:
> Coursework focusing on using coding for numerical analysis techniques.
> Group coursework on creating and analysing statistical linear models.
> Group coursework on using coding to model dynamical systems in a biological context and a graphs/networks context.
> Successfully completed (optional) extra-curricular achievement "The Bath Award".

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 | Supported *The Life Project* in providing disabled children with gardening opportunities.   *Mar 2017*
O2 Think Big | Various activities e.g. leading a group of school children to create business pitch.   *2014 –2015*
University of Bath: Freshers' Week Crew | Provided pastoral support for over 100 students in halls.   *Sept 2015*
Bath Council | Worked with Bath Council to record a song to use in community volunteering promotions.   *Aug 2014*
University of Bath: RAG Fundraising Campaign | Raised £662.50 for Cancer Research UK.   *Aug 2014*

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.