

Helena Ford

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SUMMARY

Software Engineer at GuideSpark after recently graduating with a MEng Computer Science degree. Passionate about technology and have strong skills in Micro-Service Architectures, RESTful APIs and Machine Learning.

TECHNICAL SKILLS

Languages

- JavaScript, Python, Java.

Software

- *Technologies:* SOAP and RESTful APIs, OpenNLP, MongoDB, ReactJS, AWS (Lambda, Redshift, Kinesis Streams, Kinesis Firehose, DynamoDB, S3, API Gateway), Serverless (AWS Framework), Spring, Maven, Git.
- *Platforms:* Microsoft Windows, Linux, OS, Android.

EXPERIENCE

Software Engineer

Sept 2015 – Present

GuideSpark

- Develop web-based applications that enhances employer-employee communication.
- Sole contributor to the company's tracking API to monitor users' activity and provide invaluable data analytics.

Software Engineer

July 2012 - July 2013

IBM

- Built live data integration solutions for Smart Stadiums, Cities and developed live analytics.
- Developed solutions including Android client applications using Java, C, and Python.
- Took responsibility for a number of customer demonstrations.
- Managed a data center using VMware vSphere running 150 active Virtual Machines.
- Worked on a customer engagement for a large global bank. With focus on infrastructure and software installation, and a development role in content analytics.

Software Engineer

July 2011 – Oct 2011

International Rectifier

- Developed an application in C# that helps engineers to update routine tests efficiently.

ACHIEVEMENTS

- Research publication by the top conference for Human-Computer Interaction - ACM CHI.
- IBM Eminence and Excellence Award.
- Won the Mini GeoVation Challenge as part of the UK Environmental Agency.

EDUCATION

University of Bristol *Bristol, UK*

Oct 2010 – May 2015

- MEng Computer Science *Grade 2:1*

Caldicot School *Monmouthshire, UK*

Sept 2003 – May 2010

- A-levels: Maths(A) Chemistry (A) Biology (A) AS: Further Maths (A) GCSEs: 10

References available upon request