

# 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.

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## 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.

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## 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.

### Technical Specialist

July 2012 - July 2013

*IBM*

- Built live data integration 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.

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## 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.

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## 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*