

# Thomas Jack Parker

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*Passionate Software Engineer with a First Class Honours Degree looking to find a full-time position.*

## EDUCATION

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<b>2014 - Now</b>	<b>University of Glasgow, BSc Software Engineering - First Class with Honours</b>  <b>Additional Information</b> <ul style="list-style-type: none"><li>• Built and lead a team in the Glasgow University <b>Cyber Defence Exercise</b> (CDX) tournament that went on to win.</li><li>• Performed as a pen tester against 100 students in the following CDX year and built insecure operating systems to give to the students to fix.</li><li>• On the University's Engineering Excellence list for two years while on the Electronic and Software Engineering course.</li></ul>
<b>2008 - 2014</b>	<b>International School of Düsseldorf, Germany</b>  <b>International Baccalaureate:</b> HL Maths (6); HL Physics (6); HL Music (5) SL English (6); SL Economics (6); SL German B (6) <b>Additional Information</b> <ul style="list-style-type: none"><li>• Worked with the school's IT department to improve network security and point out web application security risks.</li><li>• Played within the school's Softball team and was a member of a Jazz Band.</li></ul>

## EXPERIENCE

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<b>Aug. 2018 - Now</b>	<b>Amazon Development Centre Scotland</b> <ul style="list-style-type: none"><li>• Will be working on an application that provides a means for advertisers to target specific customer demographics while maintaining customer anonymity.</li></ul>
<b>June - Sep. 2017</b>	<b>Amazon Development Centre Scotland – Red Panda</b> <ul style="list-style-type: none"><li>• Redesigned an application that processes big data to maintain customer anonymity between the retail and advertising businesses.</li><li>• Heavily worked with Spark and AWS, migrating a service from a soon to be deprecated production network to public AWS.</li><li>• Upped the capacity of the service from 70GB to any arbitrary size. End solution was tested with a 512GB input file, successfully completing in a quarter of the time required for a 70GB job with the old system for the same cost.</li></ul>

*Referees available on request.*

**June - Aug.  
2016**

**E.ON Connecting Energies GmbH – Process IT**

- Worked within multiple teams to help develop different products in an Agile environment.
- Developed proof of concept software for a new product while working with business colleagues to develop the requirements.
- Additionally created production data retrieval software for market price analysis and forecasting.
- Quickly learnt the team’s language of choice, Scala.

**June - Aug.  
2015**

**E.ON Connecting Energies GmbH – Process IT**

- Further developed a testing platform built the previous year.
- Developed requirements for the improved testing platform that is still used today.
- Built a web application endpoint to help provide visibility for key performance indicators.
- Successfully patched production software to fix an issue under a tight deadline.

**July - Sep.  
2014**

**E.ON Connecting Energies GmbH – Process IT**

- Developed a configurable power plant simulation to act as a testing platform for production software.
- Involved the use of both backend and frontend technologies.

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## **VOLUNTEER WORK**

**June 2013**

**International School of Düsseldorf - Project Tanzania**

- Taught a class of 30 students Computer Science for 3 weeks in Tanzania.
- Helped the students practice and develop their English skills and prepare for upcoming exams in other subjects.

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## **INTERESTS**

Strong interests in machine learning and artificial intelligence and would like to gain experience in these fields. Enjoy using cryptography, and writing high performant code. Would like to be involved in business decisions as would like to one day manage my own team.

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## **SKILLS**

Big Data, Distributed Systems, Cloud  
Architecture

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## **HOBBIES**

Rock Climbing, Running, Cycling  
Gaming, Piano

*Referees available on request.*