

Thomas Jack Parker

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Academically successful Software Engineering 4th year undergraduate student, on track for a first-class honours degree, looking to find a full-time position in a software company.

EDUCATION

2014 - Now	University of Glasgow, BSc Software Engineering: on track for 1st class honours First Year: Completed all 6 courses at a grade level of A. Second Year: Completed 9 out of 10 courses at a grade level of A and 1 at a high B. Third Year: Completed 7 out of 10 courses at a grade level of A and 3 at a high B. Additional Information <ul style="list-style-type: none">• Built and lead a team in the Glasgow University Cyber Defence Exercise (CDX) tournament that went on to win.• Performed as a pen tester against 100 students in the following CDX year and as a pen tester and vulnerable machine builder the following year to give to the students.• Helped provide a voice for fellow students as a SRC representative for a level 1 course.• On the University's Engineering Excellence list for two years in a row.
2008 - 2014	International School of Düsseldorf, Germany International Baccalaureate: HL Maths (6); HL Physics (6); HL Music (5) SL English (6); SL Economics (6); SL German B (6) Additional Information <ul style="list-style-type: none">• Worked with the school's IT department to improve network security and point out web application security risks.• Played within the school's Softball team and was a member of a Jazz Band.

WORK EXPERIENCE

June to Sep. 2017	Amazon Development Centre Scotland – Red Panda <ul style="list-style-type: none">• Worked as a software developer for 12 weeks redesigning a big data server maintaining customer anonymity between the retail and advertising businesses.• Heavily worked with Spark and AWS migrating a service from a soon to be deprecated production network to public AWS.• 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 of a 70GB job previously for the same cost. This was due to the move to a distributed architecture.
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**June to
Aug. 2016**

E.ON Connecting Energies GmbH – Process IT

- Worked as a software developer for 12 weeks within multiple teams to help develop different products in an Agile environment.
- Developed proof of concept software for a new product with an intended customer.
- Worked with business colleagues to develop software requirements.
- Created data retrieval software, deployed in production, for market price analysis and forecasting.
- Quickly learnt the team’s language of choice, Scala.

**June to
Aug. 2015**

E.ON Connecting Energies GmbH – Process IT

- Worked as a software developer for 10 weeks further developing the 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 updated production software to fix an issue under a tight time constraint.

**July to Sep.
2014**

E.ON Connecting Energies GmbH – Process IT

- Interned as a software developer for 6 weeks working on developing a testing platform for the team’s product.
- Built a power plant simulation on a Raspberry Pi in Java with GPIO to provide physical interactions with the software.
- Layered a web server on top of the simulation’s REST endpoints to provide configuration options and information into what the software is doing.

VOLUNTEER WORK

June 2013

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.

SKILLS

Java, Scala, Python, C, C++
Linux, Embedded Programming

HOBBIES & INTERESTS

Rock Climbing
Piano

REFEREES

Redacted. Available on request.