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| University Degree MEng electronic engineering | Academy Stream technical stream |

## Summary

Tom’s background in Electronics allows him to approach problems from a different perspective. He is extremely hard working and driven and brings a lot of skills and abilities to any project. Tom has a proven track record in working effectively in teams, bringing innovative solutions to projects. Tom focuses on self-improvement, constantly searching to learn new skills and approach new challenges. His career ambitions are to become a respected expert in his field.

## Skills

* Analogue and Digital design
* Python
* MATLAB
* Advanced MS Excel
* PIC Programming (Assembly)
* Team Working
* Time management
* Presentation skills

## Academy Experience

#### Business Skills

A continuous development that explores the world of business and projects therein. A focus on understanding their role within organisations and communicating effectively with the people around them.

Skills: Effective communication, networking, negotiation, project life-cycles, development life-cycles, time and task management, stakeholder analysis/management, memory techniques, network diagrams, WBS and dependencies, presentation skills.

#### Software Testing

Spartans are pushed to become diverse testers with a wide breadth of competencies across traditional and modern projects in real world scenarios.

Skills: Developing and managing test cases and strategies, test design, structured exploratory / session / risk / functional / usability / performance based testing, black box/white box techniques, JMeter, defect management, root cause analysis, Jira.

#### Automation

Combining a testers mind with a developers’ skill-set, this is not just theory - labs and drills are run regularly on real life projects to build confidence ready for work on client-site.

Skills: Cucumber, Capybara, Gherkin, Selenium Web-driver IDE, BDD, TDD, specification by example, RSpec, SBE, features and scenarios, writing features, page and data models, page objects.

#### Web Technology

A mixture of fundamental to advanced skills where they learn to develop websites and test them using a wide range of technologies within self-generated projects.

Skills: BASH, HTML & CSS, JSON, XML, JavaScript, debugging and tools, Text Editors, Web Inspectors, Git and Github, Fundamentals of Testing, RESTful APIs, information architecture, accessibility, Responsive CSS, CSS Frameworks, The DOM, JQuery, AJAX.

#### Agile

Practiced continually throughout the academy, the mind-set, ceremonies, and continuous integration creates a highly knowledgeable agile expert.

Skills: Scrum, user stories, personas, acceptance criteria, backlog and estimation, retrospectives, stand-ups, Kanban, agile tooling, continuous delivery, extreme programming.

#### Ruby and databases

As a second language taught at the academy, Ruby is perfect to assure your automation framework will be utilised optimally.

Skills: Relationships and modelling, functions, classes and objects, building web apps, Sinatra, ERB Templates, Rails, Routing, validations, relationships, authentication, asset pipeline, advanced relationships and nested resources, Heroku, database interaction, SQL.

## Academy Projects

#### Name of Project:

Achievements*:*

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Achievements*:*

## 

## Employment History

#### From July 2016 To september 2016

#### gloucester service station

#### catering team member

* Working in a team environment under pressure to keep things running smoothly.
* Patience and attentiveness with customers
* Promoting and supporting the welcoming image of the company.

## 

## Education

#### From September 2014 To july 2018

#### university of exeter

#### meng: electronic engineering

###### Modules:

###### 1st Year: Professional Studies and Skills Development 1; Core Engineering; Engineering Mathematics; Electronics for Engineers; Materials and Manufacturing; Engineering Mechanics.

###### 2nd Year: Management and Management Science; Control Engineering; Mathematical Modelling of Engineering Systems; Professional Studies and Skills Development 2; Pics, Microcontrollers and Microprocessors; Communications and Networking Technologies; Analogue and Digital Electronics Design; Scientific Programming in C.

###### 3rd Year: Systems, Series and Transforms; Individual Project; Engineering in Society and Company Finance; Electromagnetics and Wave Propagation; Electronic Engineering Design Studies; Digital Signal Processing; Communications Engineering.

###### 4th Year: Group Project; Manufacturing and Supply Chain Management; Mechatronics: Sensors and Machine Automation; Programming for Engineering (Python); Lean Thinking and Sustainability in Industry.

###### Final Project: Design and manufacture of an orthotic knee brace with a power assist. This was a group project between 8 individuals from different engineering disciplines. Toms role within the group project was to design and implement a gait detection system to control the power assist.

## Certifications

#### ISTQB CERtified tester foundation level - pending

## Hobbies/extra Curricular activities

* **Athletics:** Tom has competed in athletics since the age of 11. He has trained and competed in the decathlon since 2016. The decathlon requires dedication and commitment to training in order to be prepared for all 10 events. Tom has competed at the British Combined Events Championships as well as competing for his University in individual events at the BUCS Championships. Athletics is a very individual sport and requires strong drive and motivation.
* **Cooking:** Tom enjoys cooking and regularly cooks for his friends and family. Cooking often requires adaptability to fix a dish that has gone wrong.
* **Art:** Tom enjoys drawing and painting. Art allows Tom to express his creativity and often requires patience and perseverance to complete a piece of work.
* **Other hobbies:** Gaming, reading, gym.

## Volunteer Work

###### Marshall

###### Great West Run: Tom has volunteered as a marshal for the Great West Run for three years whilst attending the University of Exeter. He has worked on a water station providing drinks to runners and has also worked as a marshal directing runners and spectators at the start/finish of the run.