

Edward Compton

e.compton@warwick.ac.uk | 07856467213

EDUCATION

UNIVERSITY OF WARWICK MENG IN COMPUTER SCIENCE

First Year(73%)
Second Year(69%)
expected First Class Honours
Oct 2014 - Aug 2018

BISHOP STOPFORD SCHOOL

A LEVEL

Maths(A*)
Further Maths(A*)
Physics(A)

Sep 2012 - July 2014

AS LEVEL

Psychology(B)

Sep 2012 - July 2013

GCSE

Maths(A*)
Physics(A*)
Biology(A*)
Chemistry(A)
Geography(A)
English Lang(B)
English Lit(B)
German(B)
Product Design(B)

Sep 2010 - July 2012

ADDITIONAL

UK B Driving License
Trampoline Club Judge
Level 1 Trampoline Coach
DBS Checked

SKILLS

DEVELOPMENT

Algorithm Design • Architecture
Agile Methodologies • Code Refactoring
Language Parsing

PROGRAMMING

Java • C • Assembler • Python
Bash • Javascript/jQuery • PHP • SQL
HTML/CSS • L^AT_EX

LINKS

Website:// edwardcompton.net
Github:// [e-compton](https://github.com/e-compton)
LinkedIn:// [e-compton](https://www.linkedin.com/company/e-compton)

SUMMARY

Computer Science student with a large amount of object-oriented programming experience in multiple languages. Looking for related software development work to improve skills.

EXPERIENCE

WAITROSE | SUPERMARKET ASSISTANT

Oct 2013 – Jul 2015

- experience communicating with customers to solve problems working at customer service
- responsible for organising trolleys in a large busy car park

PROJECTS

Second Year | 2015 - 2016

- Won a Deutsche Bank sponsored group competition to create a tool to analyse the Enron Dataset
- Optimised N-body problem to 5x of its original code by implementing SIMD vector intrinsics.
- Built a system of servers that implements the two phase commit protocol to ensure consensus about client requests to their databases.
- Created a menu of commands for users to query a SQLPlus database.

First Year | 2014 - 2015

- Programmed a self improving robot in Java capable of navigating a randomly generated maze utilising depth first search.
- Designed efficient storage solutions for a twitter-like web application in Java, implementing Binary Trees and Hashmaps.
- Programmed a robotic arm to solve the Towers of Hanoi problem with blocks by setting servo positions in C.
- Built a responsive Web Application on PHP and a MySQL server, that allowed users to create ToDo lists.
- Tasked with identifying security flaws in a Debian VM and apache server.

Computing Residential Southampton | 2013

- 3 day residential at Southampton where we built an autonomous robot out of motors and servos on a raspberry pi coded with python.

VOLUNTEERING

TRAMPOLINE CLUB | UNIVERSITY OF WARWICK

Treasurer | Apr 2015 - Current

- Manage the finances of a club of over 60 members.
- Work with the other members of the executive committee to organise travelling to competitions and the SUTL Warwick Trampoline Open.

Publications and Communications Officer | Apr 2015 - Nov 2015

- Responsible for maintaining the clubs various socials networks.
- Built a website for the website using PHP and wordpress.

EAST AFRICAN PLAYGROUNDS | JINJA, UGANDA & WARWICK

Fundraiser | Oct 2014 - Aug 2015

- Fundraised over £2500 (highest that year) taking part in their Gorilla Project.
- Helped build a playground for an orphanage in Jinja, Uganda.