

## Personal details

Title	Mr
Gender	Male
Surname	Gadsby
First name(s)	Mark Richard
Date of birth	28/03/1963
Preferred first name	Mark
Previous surname	

### Postal address

Address line 1	55 Worcester Villas
Address line 2	
Address line 3	
Address line 4	HOVE
Postcode	BN3 5TA
Country	United Kingdom

### Home Address

Address line 1	55 Worcester Villas
Address line 2	
Address line 3	
Address line 4	HOVE
Postcode	BN3 5TA
Country	United Kingdom

Mobile telephone

Home telephone 01273 423 817

Email address mark.r.gadsby@gmail.com

I want to receive  
further information  
by email, relating to  
career/study options Yes  
and from training  
providers if I find  
myself unplaced

I want to receive  
further information  
by SMS/text, No  
relating to

career/study options  
and from training  
providers if I find  
myself unplaced

I want to receive  
further information  
by post, relating to  
career/study options No  
and from training  
providers if I find  
myself unplaced

Correspondence in Welsh No

I want to receive  
free advice and  
guidance about my  
application by email Yes  
from the  
Department for  
Education

I want to receive  
free advice and  
guidance about my  
application by No  
SMS/text from the  
Department for  
Education

I want to receive  
free advice and  
guidance about my  
application by post No  
from the  
Department for  
Education

I want to receive  
free advice and  
guidance about my  
application by No  
telephone from the  
Department for  
Education

Unique learner  
number

TOEFL number

IELTS number

Country of birth	United Kingdom
Nationality	UK national
Area of residence	East Sussex
Residential category	UK Citizen - England
Fee payer:	01 Private finance
Student support arrangements	
Disabilities	You have a specific learning difficulty such as dyslexia, dyspraxia or AD(H)D
Special needs	
Date of first entry to the UK	
I agree to a DBS check	Yes
Have you registered for professional skills tests?	No
Professional skills test candidate number	
Date of literacy test	
Date of numeracy test	

## Additional information

Ethnicity	White
What is your religion or belief?	No religion or belief
What is your sexual orientation?	Heterosexual
Do you identify as transgender?	No
National identity	British
Dual National Identity	Not applicable/not required

## Choices

Choice 1      **King's College London (University of London)**  
**(K60)**  
**Computing (IX99)**  
 Programme type: Higher Education Training  
 Programme  
 Name of main subject or subjects:  
 Training location/campus code: -  
 Full-time or part-time training programme: Full time  
 Flexible modular training programme: No  
 Criminal convictions declaration: Not declared

Choice 2      **Roehampton University (R48)**  
**Computing (G5X1)**  
 Programme type: Higher Education Training  
 Programme  
 Name of main subject or subjects:  
 Training location/campus code: -  
 Full-time or part-time training programme: Full time  
 Flexible modular training programme: No  
 Criminal convictions declaration: Not declared

Unavailable for  
interview      1st - 5th April 2019  
 Previous training  
providers

## Education

Institutions attended      Cardigan Secondary School (9/1975 - 6/1982)  
    Coleg Ceredigion, Aberystwyth (9/1982 - 6/1984)  
    North London Polytechnic (9/1984 - 6/1986)

English qualification	O	CSE gd 1	6/1981	WJEC
Maths qualification	O	B	11/1980	WJEC
Science qualification (Biology)	O	B	6/1980	WJEC

### GCE O Level

Art & Design	C	1980	WJEC
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Craft and Design - Wood	CSE gd 1	1981	WJEC
Economics	CSE gd 1	1981	WJEC
Geography	CSE gd 1	1980	WJEC
History	B	1980	WJEC
Statistics	C	1981	WJEC

Degree	Leeds Metropolitan University		
	Software Engineering		
	MSc	Other	9/1992 - 1/1994
	Software Development		68%
	Computer Architecture		58%
	Project Management		66%
	Advanced Info Systems		50%
	Advanced Software Development		60%
	Databases		47%
	Group Project		55%
	Alternative Design Paradigms		64%

Other relevant qualifications (e.g. higher education, diplomas, other undergraduate or postgraduate degrees)	HND	Business and Finance	9/1986	BTEC
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Highest qualification held when the training programme starts	Degree (UK Masters)
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## School and work experience

School, establishment or employer name	Thermo Fisher Scientific, Birches Industrial Estate, East Grinstead, RH19 1UB
From	28/09/1998
To	Present
Hours per week	37
Job or role title	Senior Software Engineer

Job or role description and summary of experience	I have spend the last twenty years working on the best-in-class software, Advantage, written in C++. Advantage integrates data acquisition and data processing to provide accurate and reliable instrument control for the electron spectrometers we manufacture. I have specialised in designing and implementing all the software used to control the various sources of energy required, such as x-ray or ion beams. This work remains challenging and rewarding.
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School, establishment or employer name	Hove Park School
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From	19/11/2018
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To	17/12/2018
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Hours per week	4
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Job or role title	School experience.
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Job or role description and summary of experience	I have completed four sessions of observing the teaching of Computer Science GCSE followed by an after school computer club where I ran a project to encrypt and decrypt the contents of novels using python. This project introduced the Caesar cipher and letter frequency analysis.
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School, establishment or employer name	Greenstreet Publishing, St Ives, Cambridgeshire
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From	03/10/1994
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To	25/09/1998
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Hours per week	37
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Job or role title	Software Developer
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Job or role description and summary of experience	During my time at Greenstreet Publishing I worked on their flagship desktop publishing product, writing C and C++ code to run on the newly released Windows 3.1. This product utilised the novel features of the operating system, including TrueType fonts and graphical UI. The product was a critical and commercial success and, from my point of view, an exceptional learning experience.
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School, establishment or employer name	Printing Industry
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From	01/09/1986
To	31/05/1991
Hours per week	40
Job or role title	Production Control
Job or role description and summary of experience	During this five year period I worked as an estimator, assistant production controller and production co-ordinator in two printing companies but mostly in a medium sized workers' co-operative in Clarksenwell, London (Blackrose Press). We produced high quality colour work for campaigning groups, international charities, community groups and art centres. We pioneered the use of recycled paper, which is now hard to imagine being without.

## Personal statement

Statement

I feel I have a lot to offer as a computer science teacher due to my significant professional experience in industry, passion for my subject, and my desire to enthuse and motivate young people to share my interest.

My enthusiasm for computer science was sparked in the 1980's when I worked in the printing industry, was further developed through post graduate study for an MSc, and then fully realised over a long career working as a software engineer. I now want to inspire the next generation and really make a difference in my working life by retraining as a computer science teacher.

In my working life as a software engineer I am faced with a series of problems to be solved. It is very important to clearly define the problem and identify a series of time-limited steps required to achieve resolution. These steps need to be completed in a methodical and organised manner, at the same time keeping a firm grasp on the overall objective. These skills I hope are transferable to those of a modern teacher.

I have received very positive performance feedback regarding my ability to reduce complicated concepts to their essence, and expressing these clearly. An aspect of my work involves supporting our engineers and customers and I have always taken pride in offering clear and simple first-time solutions.

My desire to teach was sparked by some volunteering I did instructing scouts in orienteering and camp craft;

the satisfaction achieved as they successfully acquired their new skills was very rewarding.

To nurture my new enthusiasm I began to volunteer at CoderDojo in Brighton and have now completed over 50 hours in direct contact with secondary school-aged children. I have learned a huge amount about how to mentor problem solving by breaking the activity down into sequences and algorithms without getting lost in the code detail. I find it exhilarating establishing a rapport with individuals and seeing them gain the confidence and experience to solve increasingly difficult coding problems.

I had four sessions observing a computer science teacher and then running a project during the after school computing club. I was quickly made very aware of the importance of thorough preparation but also how vital it is to let the lesson flow and allow curiosity to dictate proceedings occasionally. In a similar balancing act, the teacher I observed, was able to maintain a disciplined positive learning environment without curtailing pupils' involvement and engagement. The lessons were well presented, using a variety of media and questions were fielded without losing the lesson focus. These advanced skills I know are hard won but I relish the challenge acquiring them presents.

I am interested in how physical computing and robotics can be leveraged to generate enthusiasm for computing. I can see how computing can facilitate cross-curricular activity too, and not just into the other STEM subjects but also into the creative arts and design.

Outside of work I am a keen cyclist and active member of Brighton Mitre Cycle Club. I also very much enjoy music, particularly live music played in the smaller venues in Brighton or at summer festivals. I am married, my wife works in Public Health, and we have three children.

## Reference

Principal referee

**Dr. Bryan Barnard**

Email address: barnyb2013@gmail.com

Telephone number: 07873230727

Fax number:

Post/occupation/your connection with the referee:



Chief Scientist at Thermo Fisher  
Address line 1: Fairview  
Address line 2: Tylers Lane  
Address line 3: Nutley  
Address line 4:  
Postcode: TN22 3EJ  
Country: United Kingdom

Second referee

**Mr. Fred Hasson**  
Email address: fred@coderdojo Brighton.co.uk  
Telephone number: 01273325416  
Fax number:

Post/occupation/your connection with the referee:  
Founder Brighton CoderDojo  
Address line 1: Flat 2  
Address line 2: 14 Clifton Terrace  
Address line 3:  
Address line 4: BRIGHTON  
Postcode: BN1 3HA  
Country: United Kingdom