Careers with Impact:
Meet the Programmers who #CodeTheWorld

16 October 2020

Welcome to the event! We will start at 4pm.

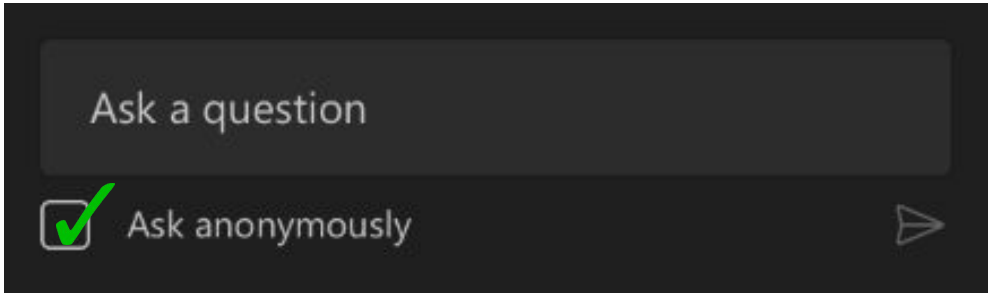
MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Ask your questions!



MAYOR OF LONDON

Ada Lovelace Day

STEMettes

CODING BLACK FEMALES

Suw Charman-Anderson

Founder and CEO, Ada Lovelace Day

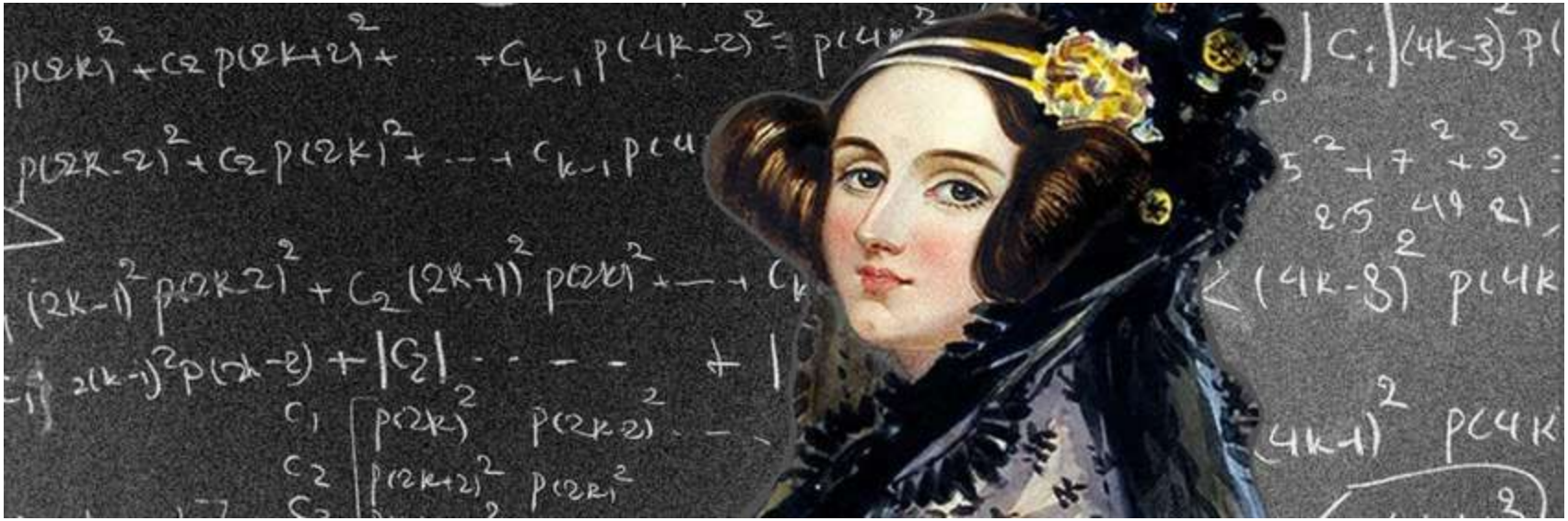
MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Who was Ada Lovelace?



MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Computing sectors

Technology	Energy	Government	Environment
Art & Design	Medicine	Agriculture	Transport
Construction	Retail	Gaming	Finance
Fashion	Architecture	Space	Education

Career types

- Analyst
- Advocate
- Communicator
- Businessperson
- Designer
- Facilitator
- Educator
- Builder
- Organiser
- Data Scientist

WHAT KIND OF TECHNOLOGIST COULD I BE?

You might think that all technologists spend their time staring at bright green code on a computer screen, but there are many different tech careers to choose from.

The Analyst
Analysts sift through information to answer questions like which products a business should sell, or how people interact with a product. They are inquisitive, great at finding patterns, and good communicators.

The Advocate
Advocates work within community groups to moderate conversations, resolve conflicts, and share concerns with the business. They are empathetic, great listeners, and seasoned mediators.

The Communicator
Communicators translate tech concepts and news into articles, blog posts, tweets, podcasts or press releases. They are excellent writers and speakers, can juggle multiple projects, and enjoy collaboration.

The Businessperson
Businesspeople are the entrepreneurs who see the potential in an idea, translate it into a product, and find customers for it. They are goal-oriented, innovative, and resilient.

The Designer
Designers plan how everything from websites to video games to keyboards to computer chips will function and look in reality. Designers are creative, well-organised, and enjoy problem-solving.

The Facilitator
Facilitators keep things running smoothly behind the scenes, fixing problems and providing information and support. They are patient, enjoy working with people, and are good at understanding how things work.

The Educator
Educators use their passion for technology to inspire and teach others in schools, universities, and clubs. They are engaging, patient, and can clearly communicate key concepts.

The Builder
Builders develop the hardware and software that powers the modern world, from phones, aircraft, and medical devices to chat apps, industrial software, and smart homes. They are inventive, detail-oriented and imaginative.

The Organiser
Organisers manage people, projects or products, making sure that everything happens correctly and on time. They are collaborative, thrive on structure, and are comfortable being a leader.

The Scientist
Scientists run experiments and examine data in order to explore complex questions about the world around us, providing valuable insights for business, public policy, and research. They are curious, methodical and persistent.

Want to be a technologist?
If you like the sound of any of these careers, talk to your teacher about which subjects will help you become a technologist.

stackoverflow

MAYOR OF LONDON

Ada Lovelace Day

STEMettes

Coding Black Females

Who can become a programmer?

Anyone! It helps if you…

- Like problem-solving
- Are curious and love to learn new things
- Like maths
- Are creative
- Are a people person

Why should you consider a career in computing?

Programmers are in demand

- Technology skills are needed in all sectors of our society

MAYOR OF LONDON

Ada Lovelace Day

STEMettes

Coding Black Females

Why should you consider a career in computing?

Programmers are in demand

- Technology skills are needed in all sectors of our society

Programmers are paid well

- Among the highest paid apprentices and graduates in the UK

Why should you consider a career in computing?

Programmers are in demand

- Technology skills are needed in all sectors of our society

Programmers are paid well

- Among the highest paid apprentices and graduates in the UK

Programmers make a difference

- Build programmes and apps that make the world a better place

MAYOR OF LONDON

Ada Lovelace Day

STEMettes

Coding Black Females

MAYOR OF LONDON

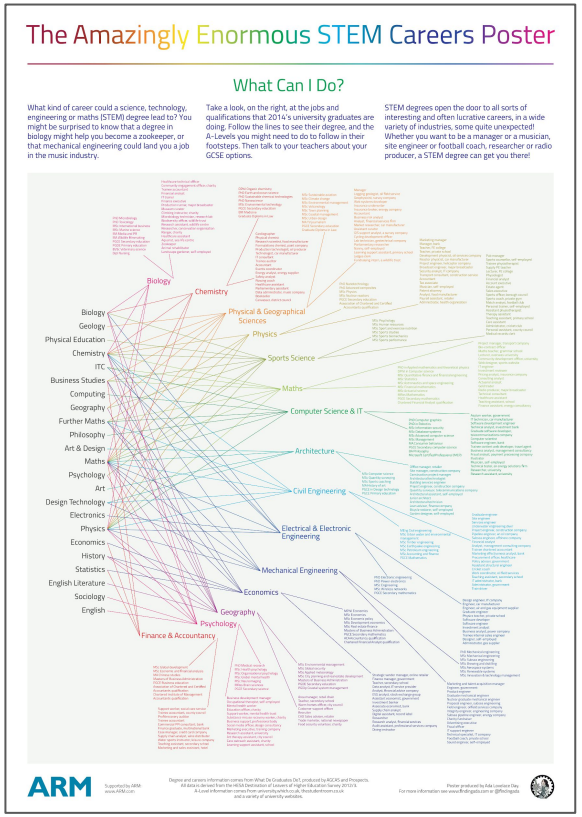
Ada Lovelace Day

STEMettes

CODING BLACK FEMALES

A-Level choices

ICT
Computing
Further Maths
Philosophy
Maths
Physics



MAYOR OF LONDON

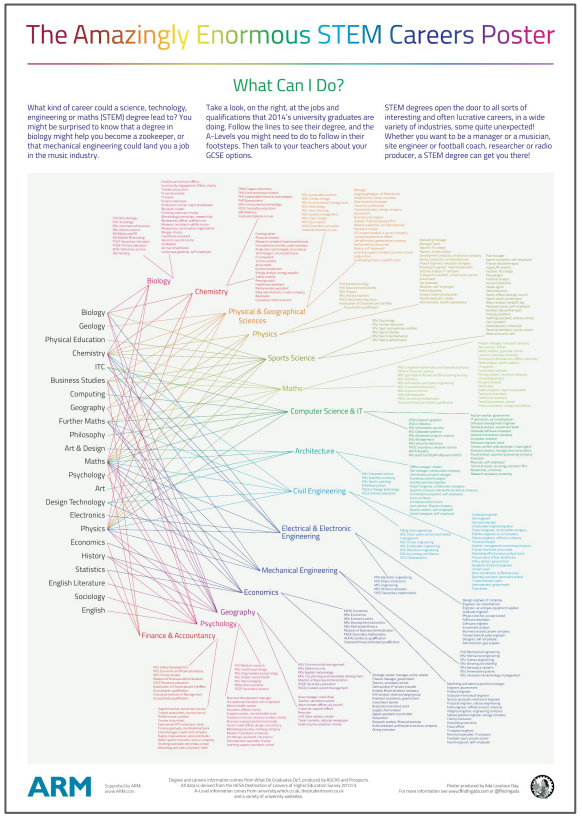
ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Degree choices

Biology
Chemistry
Physics
Maths
Computer Science
Architecture
Civil Engineering
Electrical Engineering
Mechanical Engineering
Economics



MAYOR OF LONDON

Ada Lovelace Day

STEMettes

Coding Black Females

Routes into computing careers

University degree

E.g. Computer Science, Maths, Software Development

College course

E.g. Level 3 Certificate in Programming, T level in Digital Production, Design and Development

MAYOR OF LONDON

Ada Lovelace Day

STEMettes

Coding Black Females

Routes into computing careers

Apprenticeship
E.g. Software Development, Cyber Security

Graduate programme
Learn on the job

Coding course
Some courses are free, e.g. Code First Girls

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Meet our panel

Charlene

Sarah

Treasa

Sobelema

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Charlene Hunter

CEO at Coding Black Females & Lead Engineer at Made Tech

What I do

- Grow a tech community for more people to get into tech with Coding Black Females, Meet Up and Code and Black Devs London
- Build software and lead technical deliveries
- Lead the Made Tech Academy programme, which is a 12 week programme to get into tech

My path to programming

- Maths, Further Maths and Physics A Level
- BSc Mathematical Sciences
- MSc Computer Science
- Worked as a Software Consultant and Contractor

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Sarah Filippi

Senior Lecturer in Statistical Machine Learning, Imperial College London

What I do

- Use mathematics and computers to study diseases
- Invent new algorithms and machine learning methods
- Teach statistics and machine learning to university students

My career path

- Undergraduate in Mathematics
- MSc in Statistical Modelling
- PhD in Machine Learning
- Fellowship in Computational Biology
- Lectureship in Statistics

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Treasa Davitt

Test Manager & Technical Delivery Manager, Transport for London

What I do

- Lead the Testing and Technical Delivery teams
- Ensure that TfL's software releases are on time, defect free, reliable and fit for purpose
- Review testing and delivery processes and techniques to continually improve

My path to programming

- Studied Computer Science at University in Ireland
- Worked in finance, telecoms, gaming and transport
- Worked as a Test Analyst, Senior Test Analyst, Test Lead, Test Manager and Head of Test

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Sobelema Atemie

Student

What I do

- Study Computer Science (MSci)
- Volunteer with Stemettes since 2015
- Taught programming skills to young people 2nd summer of university
- Sometimes Dancer/ Pretend Chef

My path to programming

- Outbox Incubator Program - Stemettes
- Finding peers interested in STEM like I was

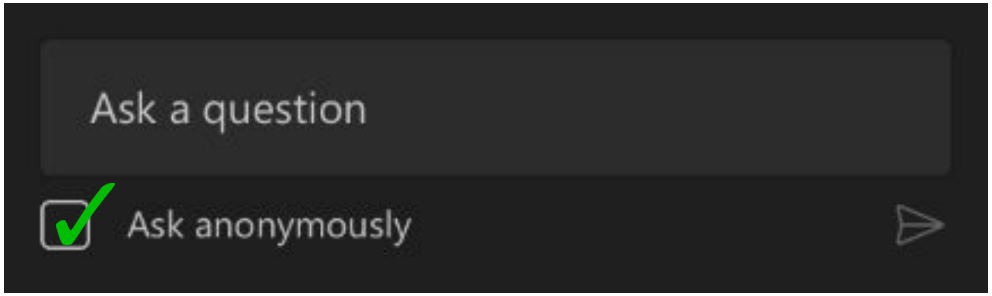
MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Ask your questions!



MAYOR OF LONDON

Ada Lovelace Day

STEMettes

CODING BLACK FEMALES

Find out more

https://findingada.com/posters

https://techpathways.london

https://stemettes.org/explore/

https://nationalcareers.service.gov.uk/explore-careers

https://www.techuk.org/your-journey-into-tech

MAYOR OF LONDON

Develop your coding skills at home

Select resources for home learning

- Digital Making at Home is a set of free, weekly video tutorials from the Raspberry Pi Foundation
- Learn Computer Science at Home contains free resources with age-appropriate signposting designed by code.org
- Apps for Good Home Learning have created new courses that can be accessed for free, which focus on creating apps and machine learning.

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES

Thank you!

Please fill in the feedback form

As a thank you, we are giving away 50 free pin badges!

"This is what a CODER looks like"

rebrand.ly/mol-careers

MAYOR OF LONDON

ADA LOVELACE DAY

STEMettes

CODING BLACK FEMALES