

# Ross Nkama

Who's Ross Nkama?

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## Ross Nkama's contact details

Medium	Contact
Email:	ross.nkama@ada.ac.uk
Phone:	07426343469
Digital portfolio:	rossnkama.github.io
Github:	https://github.com/Rossnkama

For more items, check my portfolio...

[Ross Nkama's contact details](#)  
<https://contact/RossNkama>

## Ross Nkama's technical skills

<https://what-can/RossNkama/do/>

Programming Languages + Frameworks:

- General purpose:** Python(Proficient + Familiar with major AI libs), Java(Proficient), Rust(Familiar), C++(Familiar), Kotlin(Familiar)
- Web:** HTML, CSS, Javascript (Proficient/Familiar)
- Apps:** Java and Kotlin - Android Studio, Swift - Xcode

Software and applications:

- OS':** Windows/Linux/macOS command lines
- IDEs/Environments:** Familiar with most popular environments
- Version control:** Basic git for Github and Bitbucket

## Ross Nkama's top technical projects

<https://what-has/RossNkama/been-up-to/>

- **Half-Cheetah challenge (*Using ARS*)** - Used Augmented Random Search to try out one of OpenAI Gym's locomotive challenges to assess the results for myself.
- **Autonomous Taxi** - Its purpose is to get users from point A - B while avoiding driving on a dynamically user drawn sand road boundary.
- **Doom AI (*CNN*)** - Using a CNN to build an AI which I hope will be able to play the game to superhuman level.
- **R-Coin** - A I'm building crypto-currency with smart contracts, built off of a blockchain which I've also made.
- **Series of Medium articles on Machine Learning** - I'm writing a series of articles for beginners in machine learning on medium with the article's contents pushing a main emphasis in the reader gaining and comprehensive philosophical understanding of the content:  
<https://medium.com/@ross.nkama/an-intuitive-understanding-of-machine-learning-6814add2b2a9>
- **Bank of America infographics + Big data analytics challenge**
- **Deloitte's IoT smart campus hack RFID based informations system** - Featured in IoT now tech journal here:  
<https://www.iot-now.com/2017/09/26/67467-ada-college-hosts-iot-hackathon-thingworx-becomes-part-curriculum/>

## Ross Nkama's work experience

<https://All-of/RossNkama/work-experience/>

**Google UK (*Site Reliability Engineer*) Oct 2018 - *Present*:**

To be creating ultra scalable and highly reliable software systems.

**Ada. National College for Digital Skills. (*Machine Learning Guest Lecturer*) Jun 2018 - *1 Day*:**

Taught an introductory lesson to ML through running a workshop to implement ML assisted regression for teachers and students. Did this with graph analysis then with gradient descent and then teaching some calculus through computational graphs and finally using pytorch.

**Ada. National College for Digital Skills. (*Paid Java Mentor*) Oct 2017 - *1 week*:**

My College chose the 4 best java developers to mentor digital innovation apprentices who needed help with their assignment. The week allowed me to develop my skills in explaining abstract concepts in a way that doesn't explicitly show how to fix a problem. This was useful in helping the apprentices, making sure that they understood certain concepts.

**Octopus labs (*Developer*) Oct 2017 - *1 week*:**

I shadowed 3 software engineers and did lot's of small programming tasks for backend with Python. I learned how better to collaborate with teams using tools like slack and github to keep track of developments of a project.

# Ross Nkama's extra activities + Interests

<https://what-else-does/RossNkama/do/>

## CoderDojo (*Mentor and facilitator*):

I've clocked in roughly 14 hours in mentoring children and teens how to code using Python, HTML/CSS/Javascript and scratch.

## Big Tech Events:

**Mozfest 2016:** I helped to facilitate a college run workshop - "Build your own reaction game with an Arduino".

**TechXLR8:** I found that having a wider knowledge about computer science can greatly improve the scope of what you're able to make which is why I and a like minded peer attended this event.

**Giant Health:** My team were chosen to pitch an app that we'd made made at a hackathon at *Europe's biggest health tech event*.

**AWS Summit** (Amazon web services)

**The Telegraph, Technology intelligence:** I spoke on a panel with experts about the impacts of technology like AI and the web on society.

## Acorn Aspirations (*Mentor, UX designer, Research, Speaker*):

I've mentored at numerous hackathons and accelerators hosted by this organisation and I also helped to design and validate their *to be released* online platform for entrepreneurial teens and mentors.

## Hatch London (*Developer*):

I was invited to and attended a university only hack - Hatch London, despite only being in year 13, my team were agreed to have produced the most technical solution of all the teams.

# Ross Nkama's education

<https://what-qualifications-does/RossNkama/have/>

Ada. National College for Digital Skills:

September 2016 - July 2018

BTEC Level 3 Extended diploma in computing - D\*D\*D\* ~ A\*A\*A\*

Extended Project Qualification (EPQ) - B

St Cecilia's Wandsworth:

9 GCSEs A to C including Maths, Sciences and English

End of results.