

## **Digital Fluency overview**

Digital Fluency is a 5-part learning module, aimed to equip Mountbatten Trainees with a greater fluency around the disruptive technology landscape which is impacting and driving the future of work. Through a mixture of interactive talks and an innovation workshop, Trainees will walk away with a better understanding of, and exposure to, the technologies that are transforming their placement organizations, making them a more attractive option for potential employers upon the completion of the Mountbatten Program.

## **Structure**

Digital Fluency is split into five sessions. Four will be 90 minute blended talks that will take place on weekday evenings.

The immersive talks are keynotes featuring live demos and audience interaction. Trainees stay actively engaged throughout by participating in hands-on, interactive exercises from the comfort of their seat using their own personal digital device (smartphones, tablets, laptops)

What you can expect:

- Energetic Speakers
- Live demos
- Audience interaction

The fifth session is a half day innovation workshop that will take place on a Saturday.

## **Content**

### **Blended Talks:**

#### **Code & APIs**

Create a digital mindset by understanding the fundamentals of code. And in doing so, start to see the world of digital through a different lens. To begin to create a digital mindset you first need to understand the fundamentals of code. In this talk attendees will understand how the digital world is built, and what's possible with digital technology today. We will also use real-life industry case studies to build context around how businesses and organizations are leveraging the power of APIs, in order to rapidly produce innovative products and to empower their people and customers, to do more.

Impact:

- ✓ Understanding of how digital products are built – and the confidence and lexicon to lead a conversation fluently on this topic
- ✓ Grasp of the dynamics of open source development culture and the opportunities and risks this poses to businesses
- ✓ An appreciation of the end-to-end digital development process.
- ✓ Empathy for how technical colleagues, clients and suppliers work on a day-to-day basis, and how they translate strategies and tasks into digitally-powered realities

### Machine Learning & AI

Recent advances in data and technology are propelling the field forward at a rapid pace. What is possible when it comes to Machine Learning and Artificial Intelligence, and what can you apply today to transform your own organization.

Recent advances in big data management and hardware acceleration are propelling the field forward at a rapid pace. We take a look back at where this journey started through to where we are now. Artificial intelligence, automation and robotics are key elements of the fourth industrial revolution we're experiencing.

This talk lifts the lid on Artificial Intelligence and Machine Learning, helping learners understand the art of the possible when it comes to AI, and see its potential within their own organization.

Impact:

- ✓ The ability to discuss AI, with increased understanding of terms such as machine learning, deep learning, natural language processing and computer vision.
- ✓ Appreciate the value of big data, how it drives AI technology, and the opportunities it presents for improving the customer experience through personalisation and automation
- ✓ Realise how AI can be used to personalize digital properties, drive product development, track real-time trends, increase revenue, and drive down costs.

### Blockchain

What is blockchain, and why is it being talked about as the most disruptive technology since the creation of the internet?



We contextualize blockchain technology and the principles of a distributed ledger. Learners will get hands-on with hashing algorithms blockchain, and they'll debate the 'hype' VS 'the reality' by evaluating cases of businesses trying to tackle real world problems with blockchain technology.

Impact:

- ✓ An understanding of the principles which underpin blockchain technology, and the innovations in business which they enable
- ✓ A sense of how their business will be affected by blockchain developments
- ✓ A command of the language around blockchain and the ability to provide more fluent, swift advice and counsel

### Cybersecurity

Adopt a new perspective on cybersecurity by getting inside the mind of a hacker and discover how to protect your critical content.

Cybersecurity is normally discussed from a position of defense, "How can we protect ourselves from the bad guys.". This leads to cybersecurity as a burden, a problem for the IT team. The reality is that every technology and human is hackable, and embracing an offensive mindset throughout your organization is critical to becoming an effective defender. In this talk we flip the narrative behind cybersecurity education from being defensive to offensive: by getting attendees to think like a hacker they start to understand how these people think, and connect with the subject matter in a more visceral way.

Impact:

- ✓ An understanding of where organizations are vulnerable to cybersecurity breaches - and how to safeguard against them
- ✓ Literacy and understanding of the key technical concepts which underpin cybersecurity
- ✓ A first-hand taste of the relentless 'hacker' mindset – and experience of how it can fuel problem-solving and progress in business

### **Workshop**

#### Innovation

Customer-centric design is the buzzword in all organizations. Discover how to create Intrapreneurs that think and act like a start up embracing design thinking.

Every organization is trying to create Intrapreneurs that think and act like a start up. But that requires a new playbook. One where you have the understanding and tools to rapidly prototype new ideas. In this workshop we will show learners means to



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innovate in the digital age. Informed by open source, lean startup, agile and design thinking principles everyone will leave with the entrepreneurial principles that have powered some of the world's biggest businesses.

Impact:

- ✓ Deep understanding of why some of the world's most innovative businesses have launched and scaled so quickly and successfully
- ✓ Literacy in agile, design thinking and lean startup methodologies
- ✓ A new approach to identifying and solving problems quickly and iteratively
- ✓ The confidence to use DIY digital and analogue prototyping tools
- ✓ A more entrepreneurial, innovative, agile mindset.