

ANDREAS FLOROS

Software Engineer at Meta, Electrical Engineering at Imperial College London

 andreasfloros.github.io

 andreasfloros

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EXPERIENCE

Software Engineer

Meta

 Nov 2022 – Present

 London, UK

Full Stack Developer (Python, C++)

Arm – Imperial College London


 Apr 2021 – Jun 2021

 London, UK

- Led a team to create an Embedded Machine Learning app for deploying audio classifiers to microcontrollers
- The project was presented to a technical audience and promoted on official Arm channels

Front End Developer (F#, JS)

Imperial College London

 Jan 2021 – Mar 2021

 London, UK

- Worked in a team to rewrite the drawing library of the engineering department's digital electronics simulator
- Improved the library by fixing bugs, adding new features and providing clear documentation and interfaces
- The changes were merged in the official application which is currently being used by undergraduate students

Machine Learning Researcher

Imperial College London

 Jun 2020 – Jul 2020

 London, UK

- Research titled "Autonomous Vehicle Navigation based on Machine Learning", focusing on real-time object detection
- Proposed optimisations for efficient use of Deep Neural Networks on low resolution data via concurrency

IC Hackathon Participant – 2nd Prize

IC Hack 2020

 Feb 2020

 London, UK


- Worked in a team to create an off-grid communication system based on a radio mesh network infrastructure
- Developed a communication protocol and created an iOS application for the users in Swift

EDUCATION

MEng Electrical Electronic Engineering – 1st

Imperial College London

 Sep 2018 – Aug 2022

 London, UK

- Specialisation in Machine Learning and Signal Processing with First-Class Honours in all years of study
- First-Class Master's Thesis: "Beyond Wavelets: Wavelet-Inspired Invertible Neural Networks for Image Modelling and Approximation"

Relevant Coursework (First-Class Honours)

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|---------------------------|-------------------------------|
| • Software Engineering | • Digital Signal Processing |
| • Computer Architecture | • Advanced Signal Processing |
| • Algorithms & Complexity | • Computer Vision |
| • Data Structures | • Pattern Recognition |
| • High Level Programming | • Optimisation |
| • Machine Learning | • Financial Signal Processing |
| • Deep Learning | • Representation Learning |

AWARDS



Dean's List for Academic Excellence

ICL – Performance within the Top 10% of cohort



EPSRC Vacation Bursary

ICL – Research in Autonomous Vehicle Navigation



Best Hack for the Community – 2nd Prize

IC Hack 2020 – Off-Grid Radio Mesh Networks

SKILLS

Python • C++ • JavaScript • HTML • CSS • MATLAB
F# • Julia • Arduino • ARM Assembly • \LaTeX

Torch • TensorFlow • Keras • NumPy • Qt
Tkinter • Elmish • Electron • Fable

Agile • Kanban • Functional Programming
Object Oriented Programming (OOP)
Machine Learning • Deep Learning