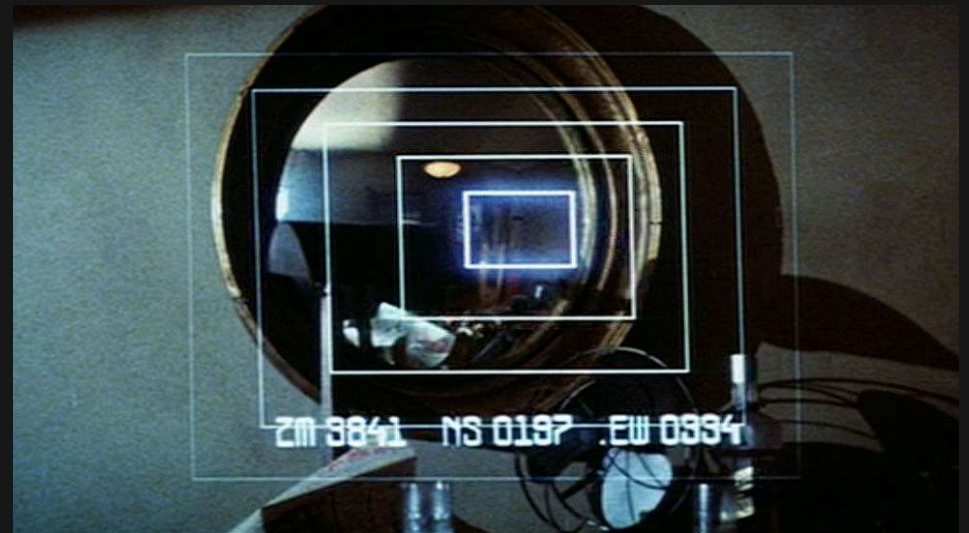


Quantum Image Processing: Super Resolution Filters

Mentor: Robert Lored

IBM Quantum Ambassador worldwide lead, Qiskit
Advocate, IBM Master Inventor



Blade Runner. Directed by Ridley Scott. Warner Bros, 1982.

Team presentation



Amaury de Miguel

France

Into QC since Sept 2020

Studying ML to experiment and compare quantum and classical models

Dennis Hwang

South Korea

Into QC since May 2021

Member of Qiskit translating team and studying various Qiskit examples in textbook and documents

Inho Choi

South Korea

Into QC since Sept 2020

Interested in Quantum Hardware for implementation of Quantum Algorithm.

Ginés Carrascal

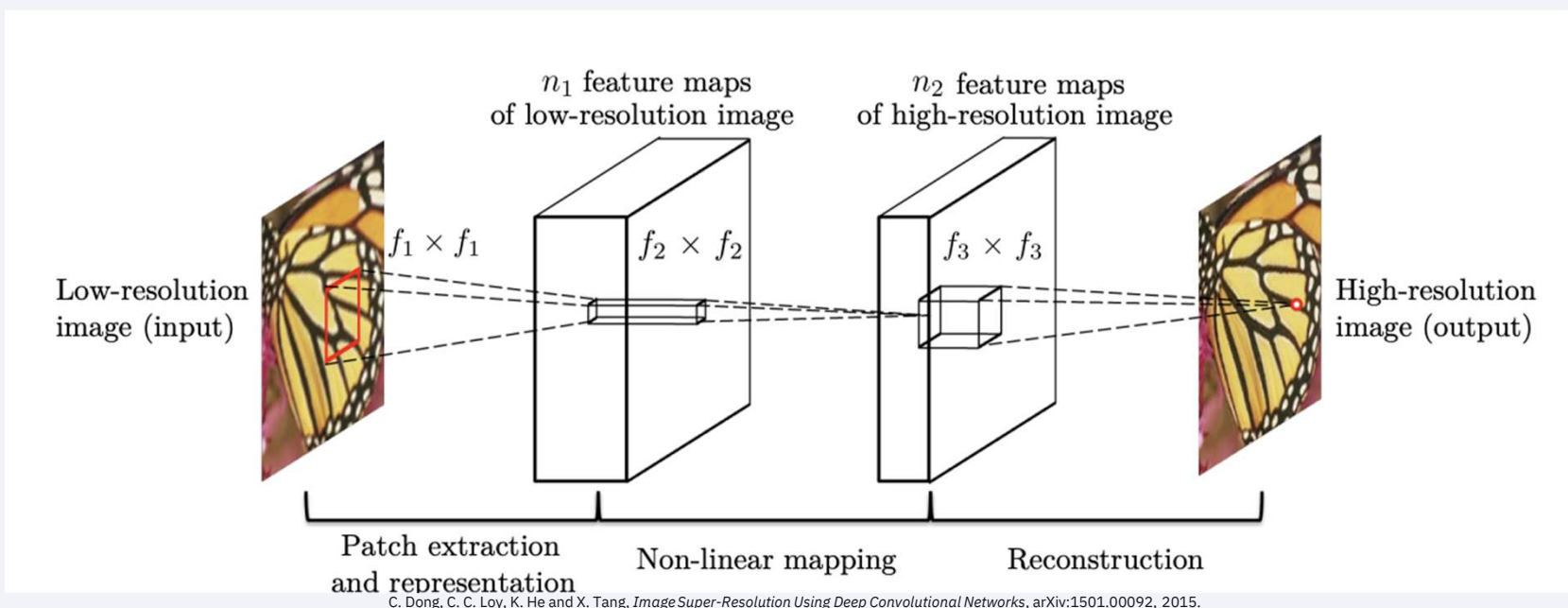
Spain

Into QC since April 2017

IBMQuantum Ambassador
Searching for business applications of near term QC

Project statement: Image enhancement and resolution filtering

Classical architecture

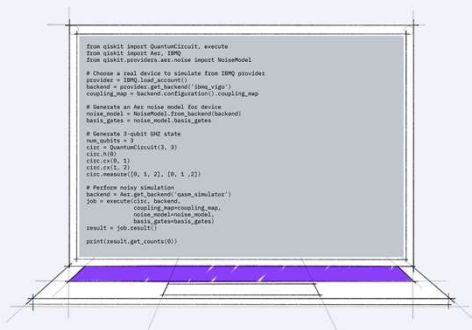


Deliverable objectives



Technical note

Presenting the problem and explaining how the model is designed and developed



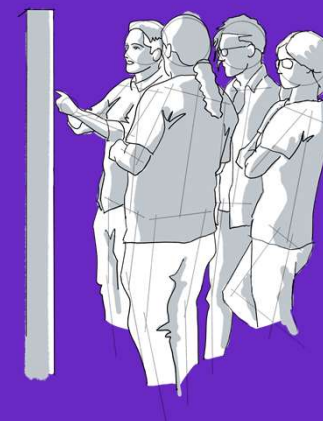
Qiskit textbook chapter

Writing a full presentation to explain how to implement and test the model



Research paper

Publish a paper on quantum image processing in a quantum journal



Project updates



GitHub issues and Trello board to organise the work

