Benjamin Sanati
Aspiring Machine Learning Researcher

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Skills

Project Related
Teamworking
Creative Problem Solving
Project Management
Bilingual - English and Farsi

Development
C
C++
Python
MATLAB
PyTorch
NumPy
SystemVerilog

Sector-Based Knowledge
Machine Learning
Deep Learning
Hyperparameter Tuning
CNNs
Object detection

Knowledge of CNN Architectures
LeNet-5
ResNet
YOLO
Dynamic DNNs
MobileNet v1/2
UNet

Profile

I am a 3rd year MEng student, who is driven by innovation and thoroughly enjoys expanding their knowledge in AI.

Particular interests include Machine Learning, Deep Learning and Computer Vision. I am currently working on an individual project researching the effects of class granularity on the ImageNet dataset, using the PyTorch framework. Due to my electronics background, I am highly competent in the practical applications of mathematics and statistics, and frequently apply these skills to machine learning applications I make in class and in my spare time.

I am a highly competent team player, and was the team leader of my year 2 design project, where I worked and managed the project remotely. By ensuring effective collaboration among team members, we successfully completed our project and presented it to a team of representatives from BAE systems. As a former sales associate in a tech department, I am highly confident in communicating to non-technical audiences regarding technical and non-technical areas. In my spare time, I enjoy sports, in particular intramural basketball at university.

Education

MEng Electronic Engineering with Artificial Intelligence		2019 - 2023
University of Southampton		
A Levels in Physics, Chemistry and Maths		2017 - 2019
Hills Road Sixth Form College		

Work Experience

John Lewis Cambridge : Sales Assistant | Aug 2018 - Apr 2019

- Advised customers regarding PC's, laptops, mobile phones, speakers, and TVs on sale

- Became comfortable working in a high-stress, time-sensitive environment

- Improved confidence in approaching and setting up a dialogue with customers

Three | Sept 2016

- Gained experience working in an engineering team

- Gained technical knowledge regarding the field of telecommunications by shadowing the engineers in my team

- Produced a report regarding the sudden spike in mobile network data usage do the release of a popular app

- Chaired a meeting, discussing what I accomplished during my placement to senior managers and the CTO, from which I gained positive feedback

Romar Service Centre | Aug 2016

- Serviced and repaired cars under the guidance of two professional mechanics

- Hands-on practical experience in a work-place environment

Referees

Academic - Professor Geoff Merritt, Head of the Centre for IoT, University of Southampton. 023 8059 2775, gvm@ecs.soton.ac.uk
Personal - Liana Pountney, Student, University of Southampton. 07931 160128, lap1g19@soton.ac.uk