Joshua **Fenech**

MACHINE LEARNER

97 Rue de la Jomayere, Saint-Etienne, France

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Masters Machine Learning & Data-mining student, Physics Graduate 2:1. Offering well-developed technical, programming and interpersonal skills and experience of supervised machine learning implementation.

Education

University of Jean Monnet | *Saint-Etienne*

MACHINE LEARNING AND DATA MINING MASTER'S DEGREE | *Sep. 2017 - Sep. 2019*

- Key modules include:
- Introduction to Machine Learning
- Algorithms
- Complexity
- Data Analysis

University of Sussex | *Brighton*

BSC HONS 2:1 PHYSICS WITH FOUNDATION YEAR | *Sept 2013 - Jun 2017*

- Received Eliahou Dangloor Scholarship for academic excellence.
- Key modules include:
- Final Year ML project - 66%
- Skills in Physics - 72%
- Extragalatic Astronomy - 78%
- Scientific Computing - 69%
- Electrodynamics - 70%
- Physics Laboratory - 72%

Esher College | *Esher*

A/AS LEVELS | *2006 - 2009*

- Physics - A
- Chemistry - A
- Biology - A
- English Lit. - A
- Maths As Level - A
- Classic Civ. As Level - C

Tiffin Grammar School | *Kingston*

GCSE'S | *2001 - 2006*

- 9 A - C's including Maths, English and Triple Science

Relevant Skills

IT / SOFTWARE, Well-developed Latex, Python, Linux and R skills. Completed online courses in Python, Machine Learning, and Git in addition to course Python module and Final Year Project

MATHEMATICS, I have enjoyed developing my mathematical skills and implementing them in challenging modules such as Quantum Mechanics, and applying statistical analysis to real world problems.

COMMUNICATIONS, With a proven record in a sales environment and Society management, I am able to communicate effectively and concisely.

LANGUAGES, Intermediate French and basic BSL via evening language courses and travel.

INDEPENDENCE & DETERMINATION, Having cycled and walked across Cambodia, England and France, I thrive in physically and mentally challenging environments.

Relevant Experience

Final Year Project in Identifying Fast and Slow Rotating Galaxies Using Machine-Learning Algorithms | *England*

UNIVERSITY OF SUSSEX | *2016 - 2017*

- Located, downloaded and processed astronomical data using FITS files within Python and Linux.
- Implemented Decision Trees and Random Forests modules from the Scikit-Learn package within Python.
- Achieved grade of 80% when presenting preliminary results.

UKSEDS (Students for the Exploration & Development of Space) Branch Founder and President

England

University of Sussex

2014 - 2017

- Founded the first branch at Sussex University, increasing membership to 20 members after achieving £400 request.
- Won the Thales Arduino challenge within the university using programming and electrical skills.
- Organised visits to National Student Space conference, Graduate Space Fairs, the Cosmonaut Exhibition and rocket building events.

Additional Experience

Hong Kong University of Science & Technology

Hong Kong

International Summer School

Summer 2015

- Studied Electro-robot Design, learning to design and build a robot from elementary components that could sense and navigate itself around a course. Our team won the award for best robot.
- Studied Business Statistics, improving my ability to handle statistics in real-world applications.
- Worked with students from around the world and lived and studied in a very different culture.

Domestic & General

Brighton

Sales Advisor

Dec. 2012 - Dec. 2013

- Worked in target-based sales telesales selling insurance products.
- Further developed my communication and compromising skills, building rapport with customers to reassure their concerns.
- Worked under pressure to fulfil targets by deadlines whilst remaining calm to be regularly amongst the top-performers.

Pell & Bales

Brighton

Sales Advisor

Dec. 2011 - Jun. 2012

- Worked in target-based telefundraising, raising donations for range of charities.
- Worked to communicate the aims of the charities and build rapport with donors.
- Under flexitime arrangement was responsible for managing my own time.

Interests & Achievements

Sports

2017-	**Saint-Étienne**,	Member of Local Cimbing club
2014-2017	**University of Sussex**,	Member of University Climbing Team
2001-2006	**Tiffin School**,	Captain of School Rugby First team, Rowing and Cross-Country First Team Member

Travel

2016	**Walked and camped along the South Downs Way**,	*Sussex*
2015	**Walked and camped across France & Spain**,	*Europe*
2010	**Hitchiked across China**,	*China*
2009	**Cycled and camped across Cambodia**,	*South-east Asia*

References

Marc Sebban

Jean Monnet University

Professor of Computer Science

Sep. 2017 - Present

- 10 Rue Tréfilerie, 42100 Saint-Étienne, FRANCE
- Email: marc.sebban@univ-st-etienne.fr

Stephan Huber

University of Sussex

Academic Advisor

2013 - 2017

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