Joshua **Fenech**

MACHINE LEARNER

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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
MACHINE LEARNING AND DATA MINING MASTER'S DEGREE

Saint-Etienne

Sep. 2017 - Sep. 2019

- Key modules include:
- Introduction to Machine Learning
- Algorithms
- Complexity
- Data Analysis
- Physics Laboratory - 72%
- Skills in Physics - 72%

University of Sussex
BSc HONS 2:1 PHYSICS WITH FOUNDATION YEAR

Brighton

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
A/AS LEVELS

Esher

2006 - 2009

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

Tiffin Grammar School
GCSE's

Kingston

2001 - 2006

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

Relevant Experience

Final Year Project in Identifying Fast and Slow Rotating Galaxies Using Machine-Learning Algorithms
UNIVERSITY OF SUSSEX

England

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
UNIVERSITY OF SUSSEX

England

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.

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.

Additional Experience

Deliveroo
Brighton

Cycle Courier
Jun. 2016 - Present

- Working in all weathers to deliver food in physically demanding geography of Brighton.
- Dealing with range of temperaments of customers and restaurants.
- Personally managing time as a self-employed worker.

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

2014-2017 **University of Sussex**, Member of University Climbing Team
2001-2006 **Tiffin School**, Captain of School Rugby First team, member of Rowing and Cross-Country First teams

Travel

2016	**Walked and camped along the South Downs Way**,	*Sussex*
2015	**Walked and camped across France & Spain**,	*Europe*
2014	**Walked and camped in France**,	*Europe*
2013	**Cycled and camped across South Coast of England**,	*England*
2010	**Hitchiked across China**,	*China*
2009	**Cycled and camped across Cambodia**,	*South-east Asia*

References

Marc Sebban

Professor of Computer Science

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

Jean Monnet University

Sep. 2017 - Present

Stephan Huber

Academic Advisor

- University of Sussex, Falmer, Brighton BN1 9RH
- Email: S.Huber@sussex.ac.uk

University of Sussex

2013 - 2017