

Joshua Fenech

MACHINE LEARNER

97 Rue de la Jomayère, Saint-Étienne, 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 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%
 - Scientific Computing - 69%
 - Electrodynamics - 70%
 - Extragalactic Astronomy - 78%
 - Physics Laboratory - 72%
 - Skills in Physics - 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 Experience

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

England

UNIVERSITY OF SUSSEX

2016 - Present

- 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 - Present

- 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 and Linux 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, Basic French and 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

CYCLE COURIER

Brighton

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

INTERNATIONAL SUMMER SCHOOL

Hong Kong

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

SALES ADVISOR

Brighton

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

SALES ADVISOR

Brighton

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-
Present

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,**
- 2015 **Walked and camped across France & Spain,**
- 2014 **Walked and camped in France,**
- 2013 **Cycled and camped across South Coast of England,**
- 2010 **Hitchhiked across China,**
- 2009 **Cycled and camped across Cambodia,**

Sussex

Europe

Europe

England

China

South-east Asia

References

Marc Sebban

PROFESSOR OF COMPUTER SCIENCE

Jean Monnet University

Sep. 2017 - Present

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

Stephan Huber

ACADEMIC ADVISOR

University of Sussex

2013 - 2017

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