JAC ROYSTON REES

COMPUTER SCIENCE GRADUATE

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Determined and passionate individual whose confidence and motivation enables the ability to learn and perform in a fast-paced agile environment. Third year BSc. Computer Science student at Swansea University expecting a First-Class Honours upon graduation. Interests within this field include: Artificial Intelligence, Evolving Artificial Life, Deep Learning and machine Learning. Excellent interpersonal and networking skills gained from working in a client orientated environment for over 5 years as a Customer Sales Assistant, Assistant Manager and musician performing in various cities around Europe.

PROJECTS & EXPERIENCE

Dec. 2020

MASK-IDENTIFICATION NEURAL NETWORK – PERSONAL PROJECT
- Implement various machine learning algorithms to identify the optimum weights
- Assemble a labelled dataset in excess of 2000 images
- Incorporate various Python libraries and frameworks: Tensorflow, NumPy, Scipy
- Evaluate model using various Machine Learning techniques
- Optimise network architecture through various tuning methods
- Manipulate data with Data Augmentation

OCT-DEC 2020

HYPER-PARAMETER STOCHASTIC OPTIMISATION – INDIVIDUAL PROJECT (UNIVERSITY)
- Implement various Stochastic Algorithms such as: Simulated Annealing, Random Search
- Visualise 4-Dimensional results in 3-Dimensions using matplotlib
- Perform 21 evaluations of each algorithm and use various optimisation techniques such as: Mann-WhitneyU to perform the algorithmic comparisons

SEP-DEC 2019

2D JAVA GAME AND ENGINE – GROUP PROJECT(UNIVERSITY)
- Work within an Agile Environment with a team of 7 other developers and Git
- Act as Team-Lead and oversee individual contributions to project
- Create various UML and class diagrams prior to implementaion
- Design UI layout following Schnidermans 8 Golden Rules
- Perform various Unit Tests on finished system

Aug 2016 - Jun 2020

ASSISTANT MANAGER & CUSTOMER SALES ASSISTANT – JENKINS BROTHERS LTD.
- Apply Excellent Customer Service skills whilst offering advice and assistant in a professional manner
- Engage with key stakeholders to ensure the best price for stock
- Cashing up at the end of the day and reporting daily figures
- Engaging in difficult conversations with customers regarding cars, payments and refunds

EDUCATION

2017-2021

BSC. COMPUTER SCIENCE W/ AN INTEGRATED FOUNDATION YEAR – SWANSEA UNIVERSITY
Core modules include: Big Data & Machine Learning, Optimisation, Artificial Intelligence, Advanced Object Orientated Programming, Cryptography & I.T. Security, Concurrency, Automata and Formal Language Theory, Computer Graphics, Human-Computer Interaction, Introduction to Video Games programming. Dissertation and Project focused upon Evolving Domesticated Robots through Neuro-Evolution of Augmented Topologies.

SKILLS

Java	Python	C#	C++	Database and SQL
Interpersonal Communication	Leadership	Teamwork	Critical Thinking	Object-Orientated Design