

JOSE NARVAEZ PALIZA

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EDUCATION

Loughborough University

Bachelor of Science (Hons) in Computer Science

2018-2021

- First-year results: 90.6% average, including 100% in Object Oriented Programming, 97% in Functional Programming, 82% in Introduction to Algorithms, 93% in Logic, and at least 70% in every module
- Second Year Key Modules: AI Methods, Formal Languages and Theory of Computation, and Operating Systems, Networks and the Internet

Computer Science with an International Foundation Year

2017-2018

- Overall result: 89.1% average including 97% in Mathematics and 92% in Programming

Instituto Tecnológico de Estudios Superiores de Monterrey

International High School

2013-2017

- Overall result: 94.23% average, including 97% in Mathematics, 93.5% in Science Modules and 93.9% in English
- IELTS Academic English examination: C1 CEFR Level (Proficient)

TECHNICAL SKILLS

- Programming languages: Python, Java, C with arduino, Haskell, PHP, JavaScript, JQuery, HTML, CSS and SQL
- Python libraries: Numpy, Pandas, Scikit-learn, Matplotlib, working with Python Notebooks and Anaconda Environments, Tensorflow, Keras, openCV
- Web Development: Front and Back-End using AJAX and MySQL
- Unreal Engine 4 and UnrealCV for semantic segmentation data generation
- Unified Modeling Language (UML)

EXPERIENCE

Research Assistant in Robotics and Computer Vision under supervision of Dr Baihua Li

Summer 2019

Working with a team of 5 students to develop an AgriRobot, an autonomous agricultural robot system for precision spraying. The main tasks were as follow:

- Developing tools for semantic segmentation labelling and labelling images
- Using Unreal Engine 4 and unrealCV library to generate data from a realistic simulation to train a convolutional neural network (CNN)
- Implementing the CNN model with an Intel Depth camera, a Jetson TX2 and a Turtle Rover

LEADERSHIP AND ACTIVITIES

Fencing

- Men's Captain of the Loughborough Fencing Team (BUCS) 2018-2019
- Volunteer Fencing Coach at Loughborough Students Fencing Club 2018-2019
- Captain of the Mexican Junior Fencing National Team 2016-2017
- Member of the Mexican Fencing National Team 2014-2017

Best results: Under-19 World Cup Winner, Under-16 Pan American Champion, seven-time National Champion and two-times semi-finalist in BUCS Individual Championship.

Volunteering

- Volunteer at *Un Techo Para Mi Pais* helping building houses for people living in extreme poverty
- Volunteer at *Cuentame Tu Sueño* helping and raising money for kids with cancer

SCHOLARSHIPS AND AWARDS

- **Loughborough University International Scholarship:** Awarded to students with exceptional school or college grades.
- **Junior Sportsman of the Year of the State of Queretaro, Mexico:** Awarded to the best Junior athlete in the state across all sports.
- **Loughborough University Full Colours:** Awarded for Club Members who have gained International Representation or BUCS British Students Representation at the highest level.

PROJECTS

My software development projects can be seen at github.com/jose-narvaez

References available on request.