

Nikos PITSILLOS

A PhD student with a passion for Artificial Intelligence seeking to obtain a position as a Research Intern in a technology organisation. Motivated about research and solving problems with real-world impact.

PERSONAL DATA

WEBSITE: <https://npitsillos.github.io>
EMAIL: n.pitsillos.2@research.gla.ac.uk

ACADEMIC QUALIFICATIONS

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| OCT 2019-Present | PhD in COMPUTING SCIENCE, University of Glasgow , UK
ADVISORS: Dr Gerardo Aragon Camarasa & Dr Bjorn Sand Jensen
EPSRC GRANT RECIPIENT
Investigating how the process of introspection can help robotic systems observe, understand and improve their behaviour. |
| SEP 2014-June 2019 | MSci in SOFTWARE ENGINEERING, University of Glasgow , UK
GPA: 1 st |
| SEP 2005-JUN 2012 | Apolytirion, American Academy , Larnaka, Cyprus
FINAL GRADE: 97.5%
A-LEVEL: Mathematics (A); Physics (A); Computing (A); Economics (B)
AS-LEVEL: Modern Greek (A) |

PROJECTS & RESEARCH EXPERIENCE

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| SEP 2018-April 2019 | 5 th Year INDIVIDUAL PROJECT, University of Glasgow , UK
SUPERVISOR: Dr Bjorn Sand Jensen
FINAL GRADE: A4
Undertook a project that involved applying novel Deep Learning models to the task of instance segmentation of cell components in microscopy images. Independently spent time to study relevant literature and improve my knowledge on the specific research area. This project involved training models on a computing cluster and analysing and communicating results. |
| SEP 2017-MARCH 2018 | 4 th Year INDIVIDUAL PROJECT, University of Glasgow , UK
SUPERVISOR: Prof Simon Gay
FINAL GRADE: B1
Curious and passionate to learn about Quantum Computing. Studied the basics over the summer and managed to work on extending a model checker performing equivalence checking between specification and implementation of quantum protocols after seeking a supervisor. |

PUBLICATIONS

1. **Pitsillos Nikos**, Pore Ameya, Jensen Bjorn Sand, Aragon Camarasa Gerardo (2021): *Intrinsic Robotic Introspection: Learning Internal States From Neuron Activations*. In IEEE International Conference on Development and Learning.

WORK EXPERIENCE & TEACHING

Present SEP 2017	Tutor at UNIVERSITY OF GLASGOW, UK <i>Python, Java, Algorithms, AI & Data Science Tutor</i> Volunteered for a demonstrating position for level 1 to level M students. I acted as a tutor for a range of subjects. Also acted as a mentor to level 3 students for one year giving advice on their 3rd year team project applying software process improvement activities within the team.
March 2019 SEP 2018	Part-Time Developer at FOODY, Cyprus <i>Part-Time Software Developer</i> Completed a two month internship where I was assigned back-end tasks to support the team's development. Selected to work as part of Foody's external team where I was working alongside a full-time developer to automate the team's Google AdWords campaigns.
JUN-SEP 2017	Intern at RESDIARY, Glasgow, UK <i>Software Development Intern</i> A three month competitive internship program in Glasgow, secured one of six available spaces as a developer. Successfully used agile software development methods such as pair programming, using user stories to guide development. Completely reworked the company's resource translations tool into a more appealing and automated system to allow for culture translations to be performed in more efficient manner. The project used the .NET Framework developing in C# using Visual Studio 2015. The front end was implemented using React and Redux which required much research during the beginning as these were completely new technologies to me.
JUL 2012-JUL 2014	Reserve Officer Cadet at NATIONAL GUARD, Cyprus Two year mandatory military service; opted to move up the ranks and take on more responsibility and duties. Qualified to attend officer training school after excelling at physical and written tests. Graduated in the top 10 of graduates from transmissions officer training school in Greece after four months of training. Received training on leadership, team building, and keeping composure under tremendous amounts of pressure. Personally responsible for the training and well-being of 30 soldiers under my command. Upon being recognized for my character, discipline, leadership and interpersonal skills, I was asked to serve as a training instructor for over 150 new recruits for a full month. Achieved the highest rank of 2 nd Lieutenant which non-commissioned personnel can achieve.

TECHNOLOGICAL SKILLS

Advanced Knowledge:	PYTHON, PYTORCH, KERAS, JAVA, LINUX, C#, \LaTeX
Intermediate Knowledge:	C/C++
Version Control Systems:	GIT