

Mazvydas Tadaravicius

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DOB: 18-02-1989

Profile

Enthusiastic *Artificial Intelligence & Robotics* graduate looking for a career in *Electromechanical Engineering* area. Able to work *independently* or as *part of the team*. I am *open-minded, keen, confident* and *good communicator* due to my extensive *experience* in working with vast *variety of people*. When it comes to team working I am the person to keep group *focused* on what has to be done. One of my main strengths is counterbalancing and reducing friction that sometimes arises between team members, also it relates to my ability of *linking ideas* of people in the team to achieve unified decision.

Software Engineering skills:

C# (C Sharp)

- Wrote piece of software that visually demonstrates how real-time processing is done based on *Shortest Task First* algorithms and how real-time memory allocation works based on *first-fit* and *best-fit* algorithms.
- Created algorithm comparison software to evaluate performance of 9 *A** algorithm variations applied to 8 *puzzle* solving problem based on *number of nodes detected*, *number of nodes expanded*, *number of steps taken* and *time taken to achieve goal*.

Java, UML, SQL

- *Java, SQL* and *UML* was used as 1st year university project for which I and my team had to develop software for fictitious mobile phone services provider that would enable customers to register and/or login to the system, to buy and/or upgrade handsets and services, get all related help and assistance they require.
- Above mentioned project led to another piece of software based on *Luhn* algorithm and capable of generating and analyzing credit card numbers in compliance with major credit/debit card providers such as *AMEX, Visa, MasterCard* and *Discover*.

Prolog

- Project for *Artificial Intelligence* module which involved writing a text based game in *Prolog* called *Wumpus World*. I *took it up a notch* and created back-end logic purely in *Prolog* and *GUI* part in *C#* giving a game more *up-to-date* style.

Matlab Script

- Comparison software, this time purely written in *Matlab Script*, was written by me in order to compare how different image filtering and scaling affects *Eigenface* based face recognition system.
- Another *successful* project which was based on *Eigenface* technique, back-end written in *Matlab Script* and *GUI* written in *C#* involved hand gesture recognition in order to control *DRK6080* Wi-Fi based mobile robot.

BASIC

- Project written in *BASIC* and requiring much patience and attention to details was to make *Robonova-I*, humanoid robot, dance *Waltz*.

Adobe Flash AS3, PRINCE2

- It was one of the most recent projects which required my team to create 2 web based artefacts that would advertise university. Whole project was documented using *PRINCE2* methodology. One of the artefacts was interactive university video tour, which I was responsible to create, written purely in *Action Script 3*. It was very *successful* project as whole team got *top marks*.

Hardware engineering skills:

SolidWorks

- Skill of using CAD software served very well for my dissertation project as I used *SolidWorks* to design *Two Wheel Balancing Robot*, estimate total weight of the robot in order to choose right motors and finally to do some *stress analysis* to see if materials selected were strong enough for the purpose.

TINA, MultiSim, Yenka

- I am familiar with few *circuit design and simulation* software packages as I constantly use them to try new ideas.

Electronic circuit development

- I understand basic concepts of manual *electronic circuit fabrication, soldering, desoldering and circuit repair* as I had some *hands on* experience in the past.

Interpersonal skills:

Team working

- Three year *Customer Services* experience in busy *London Luton Airport* environment helped me to develop *Team working* skills to a high level, as *multitasking, helping others and asking for help* was crucial in order to achieve set tasks to *high quality standards* and in *timely manner*.
- I was raised to *trainee Supervisor* position while working for *SSP Air UK* because of my ability to *clearly communicate* matters to other team members.
- My current colleagues consider me *hardworking, friendly and helpful* person.

Keenness to learn

- My *need for knowledge* revealed itself after I joined university as for most practical tasks assigned I *did go extra mile* just for pure self-satisfaction.
- While working for *SSP Air UK* I was one of three people capable of working in any area of the restaurant starting from being a *chef* and *cashier* to being *deli person, barista* and *bartender*.
- Throughout my working experience I was always described as *sharp minded* and *quick learning individual*.

Education

University of Bedfordshire, UK

September, 2007 – June, 2011

Degree:

Bachelor of Science with Honours

Expected grade:

First-Class Honours (1st)

Major:

Artificial Intelligence and Robotics

Significant subjects:

*Artificial Intelligence,
Robot Modelling and Control,
Programming*

St. Matthew's Secondary School, Lithuania

September, 1999 – June, 2007

Maturity Certificate

Mathematics, History, English, Lithuanian

Work History

Customer Service Assistant for Prêt-A-Manger, UK

April, 2011 - Present

Bartender for The Restaurant Group, UK

October, 2010 – April, 2011

Customer Service Assistant for SSP Air, UK

June, 2008 – October, 2010

Warehouse Operative for Amazon.co.uk, UK

October, 2007 – May, 2008

Other competences:

- MS Office suite (Word, Excel, Access, Outlook)
- Fluent English (written, spoken, understanding) and Lithuanian (native) languages
- Counterbalance truck and Reach truck licences
- Full driving licence

References

Available on request