

Dobromir Marinov

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Personal Profile

I am a software engineer with more than 4 years of professional experience. As part of my apprenticeship degree at the University of Essex, I achieved the highest degree mark in the computer science and electronic engineering department and successfully completed both a research-based and an applied machine learning project. In terms of research, I am interested in algorithms for pathfinding, decision-making, machine vision, distributed coordination and their applications for swarms of autonomous vehicles.

Employment

Swim.Ai

Cambridge, United Kingdom

Software Developer

September 2019 – Present

- Developing a distributed software platform for edge computing and real-time applications.
- Building commercial products based on the core system.
- Rust, Java, Python, JavaScript, TypeScript.

MSX International

Colchester, United Kingdom

Software Developer (Machine Learning)

June 2018 – September 2019

- Development of machine learning models for predictive analytics in the automotive industry.
- Building and deployment of microservices using cloud platforms.
- Python, R, AWS, Docker, Redshift, L^AT_EX.

MSX International

Colchester, United Kingdom

Software Developer

November 2016 – June 2018

- Developing web applications for the automotive industry.
- Java, Oracle, Freemarker, Liferay, Hibernate, Gradle, Selenium.

StangaOne1

Plovdiv, Bulgaria

Web Development Intern

July 2016 – September 2016

- Developing commercial websites for business clients.
- PHP, MySQL, HTML5, CSS3, JavaScript, Laravel, jQuery.

Education

University of Essex

BSc Digital and Technology Solutions (Software Engineer)

Colchester, United Kingdom

October 2016 – September 2019

Grade:

First-class honours degree with an award for highest degree mark in the computer science and electronic engineering department.

University-based Capstone Project:

Developing algorithm for automatic hyperparameter optimisation and neural architecture search.

Work-based Capstone Project:

Creating a machine learning system for prioritisation of customer calls in a call centre.

Relevant Modules:

- Software engineering.
- Data structures and algorithms.
- Evolutionary computation and genetic programming.
- Advanced programming.

Big Data and Analytics Summer School

Delegate

Colchester, United Kingdom

July 2018 – August 2018

- Learning under different training and testing distributions.
- Visual recognition and tracking in large image and video datasets.
- Introduction to the modelling and analysis of complex systems.
- Artificial intelligence and neural networks in analytics.

High School of Mathematics

Secondary education

Plovdiv, Bulgaria

September 2011 – June 2016

- Program with extensive study of mathematics, english and IT.
- Graduated with excellence: 5.93 out of 6.

Awards

Computer Science and Electronic Engineering Prize

University of Essex

Colchester, United Kingdom

July 2019

- Awarded to the final year student who achieves the highest degree mark.

The Degree Apprenticeship Prize

University of Essex

Colchester, United Kingdom

September 2018

- Awarded to the second-year apprenticeship degree student with the best overall mark.

K.F. Bowden Memorial Prize
University of Essex

Colchester, United Kingdom
September 2017

- Awarded to the top 4 first-year students, in CSEE, with the best overall mark.

Award of Excellence
High School of Mathematics

Plovdiv, Bulgaria
June 2016

- Awarded for overall performance above 5.80 out of 6.

Certificates

Tech Industry Gold Certificate of Recognition
Tech Partnership Degrees

London, United Kingdom
June 2019

- Nominated by the University of Essex for outstanding academic achievements and awarded by the Tech Partnership Degrees.

General Data Protection Regulation (GDPR)
MSX International

Colchester, United Kingdom
April 2019

- Certificate for completing a mandatory course in GDPR.

Information Security
MSX International

Colchester, United Kingdom
April 2019

- Certificate for completing a mandatory course in information security.

StangaOne1 Academy
StangaOne1

Plovdiv, Bulgaria
January 2016 – May 2016

- Certificate for successfully completing a web development course.
- PHP 5, MySQL, Git, JavaScript, jQuery, AJAX, HTML 5, CSS 3.

Publications

D. Marinov and D. Karapetyan, “Hyperparameter Optimisation with Early Termination of Poor Performers,” Computer Science and Electronic Engineering Conference 2019, September 2019.