

# MAKS BELENKO

Software Engineer

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## ABOUT ME

I am an open-minded, knowledge-seeking and fast learning developer. I have a good understanding of agile methodologies which I developed whilst working on projects of all scales: Crossrail in Siemens, Amazon Dublin and Disney Cruises as well as small personal projects. Skilled at writing well-designed, testable and efficient code and applying current best practices.

## WORK EXPERIENCE

- C# Developer

SIEMENS MOBILITY

2019 - Current

I'm responsible for providing a CCTV, Telephony and Intruder scanners functionality to the SCADA package for the Crossrail project. This is to enable recordings and automatic switching, help points and intruder detection alarms. This functionality is present in every single station on the Elizabeth line.

Achievements:  
I have multi-threaded the CCTV driver functionality, making it responsive on a large-scale system. After optimisation, the start-up time decreased from 45 mins to 2-3 mins.

Technologies used:

C# Verint NICE Cisco Telephony Cromos Wincc OA NLog
- Software Engineer

BSQUARE CONTROLS LTD.

2019 - Current

In parallel with my work on the Crossrail project at Siemens, I have also been involved in various different projects, such as HS1, Disney Cruise Line and Amazon Dublin. These included driver developments in C#, SCADA and Mobile applications.

Achievements:  
I have successfully built software for enabling the OPCUA functionality for Hololens 2.0 using Unity and ASP.Net Core WebAPI.

Technologies used:

C# Panorama ASP.Net Core Entity Framework Unity
- Residential Ambassador

INTO MANCHESTER

2017 - 2019

Mentored and guided incoming international students, offering cultural, academic and social support. Role included organising and leading social and sporting events.
- HPC Programmer (Intern)

THE UNIVERSITY OF MANCHESTER

2017 & 2018

Selected on two separate occasions to intern for research projects relating to Digital Signal Processing. This involved rewriting the logic from Delphi/Pascal to Fortran and parallel processing to decrease the execution time.

Technologies used:

Fortran OpenMP HTML/CSS PHP Bash

## SKILLS & TOOLS

- Languages
- Swift C# JS / TS C Assembler
- Databases
- Microsoft SQL Server SQLite MongoDB PostgreSQL CoreData Realm
- Design Software
- Adobe XD Fusion 360 Solidworks
- SCADA
- Panorama Cromos Wincc OA
- VMs
- VMWare ESXi VMWare Fusion/Workstation
- Others
- HTML/SCSS Git NGINX MATLAB LabView Apache AWS Lambda

## EDUCATION

BEng (Hons) Electrical & Electronic Engineering  
The University of Manchester (2016-2019)  
First class 81%

## LANGUAGE

English (Professional)  
Russian (Native)

## INTERESTS

Judo  
Guitar  
Sound Engineering