

# Jonáš Kulháněk

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## EXPERIENCE & PROJECTS

### ČVUT CENTER FOR MACHINE PERCEPTION (2018)

- Building **object detectors** using fully convolutional neural networks
- Preparing object detecting datasets and testing environment
- Python, Tensorflow, Numpy, OpenCV, ...

### ALZA.CZ A.S. (2016 - 2018)

- Architecting back-end .NET core, WCF, SOA, SQL
- Design and implementation of Continuous Integration – TFS

### ALZA.CZ A.S. (2016)

- Front-end ASP.NET Web Forms website development

### CZECH NEWS CENTER, A. S. (2015 - 2016)

- **Tydeník Reflex** app for Windows Phone – MVVM Light
- **Tydeník Reflex** app for Windows 8 – MVVM Light
- **Blesk** app for Windows 8 and Windows Phone 8 – build with Prism

### GSK, A. S. (2014)

- Task management application
- MVC.NET 4, C#, HTML5, Javascript
- SPA

### RINGIER AXEL SPRINGER CZ, A. S. (2012)

- **iSport** app for Windows 8
- .NET, C#

### VOATT, S. R. O. (2012)

- Developing and administrating MVC.NET websites v C# 3.5
- Administrating Windows Servers with IIS
- Project **Autobox** (autobox.cz)
- Project **SHK-Pardubice** (shk-pardubice.cz)

### OTHER PROJECTS

- Simple webpages
- Cestujsvetem.cz – a wordpress website
- Unity3d extensions development

## SKILLS AND KNOWLEDGE

### PROGRAMMING

- App development for **ASP.NET MVC**, ASP.NET Web Forms
- App development for Windows Desktop in Visual C# (**WPF**)
- Tensorflow, Pytorch, Python 3.6, Numpy, OpenCV and other libraries
- App development for WinRT and **Windows Phone** in **Visual C#**
- **SQL** – language, knowledge of execution plans, optimization techniques and tools, Service Broker
- Knowledge of **.NET Core**, ASP.NET Core,..., experience with Microsoft.Extensions libraries
- Writing scripts in C# or Javascript for Unity 3D
- Basic experience with Node.js
- Development and design of web applications, knowledge of **PHP**, CSS3, HTML5 with those libraries (React.js, Knockout.js, JQuery, **Wordpress** and more...)
- Knowledge of other programming languages – Python, C, C++, Java (in combination with Spring)

### NETWORK ADMINISTRATION

- Ubuntu, bash, basic knowledge of **docker**
- Knowledge of Windows Server 2016+, IIS 10+ e.c.t.
- Knowledge of **TFS** – configuration, Build and Release Management, configuration of Git repositories, TFS API

### SKILLS

- Test driven development
- Using SOLID principles
- Ability for adapt quickly to new technologies
- Broad spectrum of knowledge of IT domain
- Working in a team
- Analytic approach to problem solving
- Experience with freelancing

## EDUCATION

Gymnázium Žďár nad Sázavou  
Sungkyunkwan University (undergraduate, one semester)  
ČVUT FEL (undergraduate, studying)

## LANGUAGES

**English (C1)**  
French (basic skills)