

# Petr Houška

<http://petrroll.cz>  
[houskape@gmail.com](mailto:houskape@gmail.com)

## EDUCATION

### MSC. IN COMPUTER SCIENCE

Charles University | Prague  
2017 - Expected 2019  
Artificial Intelligence

### BS IN COMPUTER SCIENCE

Charles University | Prague  
2014 - 2017  
General computer science  
Graduated with honors  
GPA: 1.15 (1-4 | 1 is best)

## LINKS

Github:// [petrroll](#)  
LinkedIn:// [houskape](#)  
Email:// [houskape@gmail.com](mailto:houskape@gmail.com)  
Website:// [petrroll.cz](#)

## SKILLS

### PROGRAMMING

C# • CIL (MSIL) • .NET • PHP • Bash  
• Python • Javascript • SQL •  $\text{\LaTeX}$

Familiar but not proficient:  
C • Cpp 11 • Assembler

### COMPUTER SCIENCE

Approximation algorithms • Machine learning • Linear algebra • Software architecture

## LANGUAGES

Czech - Native proficiency  
English - Full professional proficiency  
German - Elementary proficiency

## HOBBIES

Hiking • Cycling • Curling • Social sciences

## EXPERIENCE

### IOLEVEL | PART TIME SOFTWARE DEVELOPER

Mar 2017 – Now | Prague

- Development of Peachpie compiler platform (PHP to .NET compiler).
- Opensource, member of .NET Foundation.
- Architecture and implementation of a support for generator methods.
- Github:// [peachpiecompiler/peachpie](#) | Website:// [peachpie.io](#)

### FIEDLER AMS | WEB DEVELOPER

Jul 2015 – Oct 2015 | České Budějovice

- Core Drupal 7 modules for a custom web portal (PHP).
- SPA for configuring IoT boxes (JavaScript, Aurelia Framework).

Jul 2013 – Sep 2014

- Drupal 7 modules (user hierarchy, presentation of data from API).

### ANDROIDMARKET.CZ | EDITOR & LATER EDITOR IN CHIEF

2010 - 2012 | 2012 – Aug 2013

- Editor in chief of a webmagazine with a staff of 5 people.
- Technology journalist covering Android phones and related news.

## PROJECTS

### GENERATORS WITHIN PEACHPIE | BACHELOR THESIS

Mar 2017 – Jul 2017 | Iolevel

- Both architecture and implementation.
- Lowering into lower level constructs via semantic tree transformations.
- Thesis text @Github:// [petrroll/bachelor-thesis](#)

### POWERPLANSWITCHER | WINDOWS10 DESKTOP BRIDGE APP

- Desktop app for switching power schemes in Windows 10.
- Distributed through Windows store via DesktopBridge.
- Rating: ~4.7/5, Free | WPF, Win32 interop.
- Github:// [petrroll/PowerSwitcher](#)

### REGISTRATION SYSTEM | ALBANIANCHALLENGE.ORG

- Modular registration system based on Google Apps.
- Already used for a AC reception 2016, AC 2017, and AC Club.
- Github:// [petrroll/ACRegistrationGAS](#)

## AWARDS

2016	70th/1054	Second best Czech team in Google hash Code 2016.
2016	GPA < 1.2	Scholarship for academic excellence.
2015	GPA < 1.2	Scholarship for academic excellence.

## VOLUNTEERING

2014 - Now	<b>KSP</b> - Computer science seminar for high school students.
2015 - Now	<b>Kasiopea</b> - Programming competition for high school students.