Petr Houška

http://petrroll.cz
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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)

RELEVANT COURSES

Deep learning • Optimization methods • Approximation and randomized algorithms • Evolutionary algorithms I & II • AI I & II • Intro to machine learning • Multi-agent systems • Human-like artificial agents • Logic programming I & II.

LINKS

Github:// **petrroll**
LinkedIn:// **houskape**
Email:// houskape@gmail.com
Website:// petrroll.cz

SKILLS

PROGRAMMING
C# • CIL (MSIL) • .NET • PHP • Bash • Python • Javascript • TensorFlow • SQL • LaTeX

Familiar but not proficient:
C • Cpp 11 • Assembler • Java

COMPUTER SCIENCE
Approximation algorithms • Machine learning • Linear algebra • Software architecture • AI & Multi-agent system

LANGUAGES

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

HOBBIES

Hiking • Cycling • Curling • Social sciences • Archery • Swimming

EXPERIENCE

MICROSOFT | SOFTWARE ENGINEER INTERN
Jul 2018 – Sep 2018 | Redmond, USA
- Software engineer Intern on C&E, Azure.

IOLEVEL | PART TIME SOFTWARE DEVELOPER
Mar 2017 – Now | Prague
- Developement 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).

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 trough 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

2018	559th/486	In Google hash Code 2018.
2017	1st / 10	First team in Trend Micro CTF Prague.
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	**KSP**	- Computer science seminar for high school students.
2015 - Now	**Kasiopea**	- Programming competition for high school students.