

František Kolovský



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citizenship Czech Republic
date of birth 10. 7. 1992

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Education

- 2017 - present **PhD degree - University of West Bohemia** in Pilsen, Faculty of Applied Science, Department of Geomatics, Geomatics, **expected graduation: 2021**
- 2015 - 2017 **Masters degree - University of West Bohemia** in Pilsen, Faculty of Applied Science, Department of Mathematics/Geomatics, Geomatics
- 2015 one semestr at **Häme University of Applied Sciences**, Finland
- 2012 - 2015 **Bachelor deegree - University of West Bohemia** in Pilsen, Faculty of Applied Science, Department of Mathematics, Geomatics
- 2008 - 2012 **The Secondary School of Civil engineering** in Pilsen
Geodesy

Professional experience

- 2017 - present InnoConnect s.r.o. (innconnect.net), Plzeň (Czech Republic)
- developer - JavaScript, WebGL
- 2017 - present Plan4all z.s. (plan4all.eu), Plzeň (Czech Republic)
- work on the **PoliVisu** <https://www.polivisu.eu/>
- data model, PostGIS
- traffic volume modeling close to real time
- 2014 - 2017 University of West Bohemia, Plzeň (Czech Republic)
- work on the **Open Transport Net** <http://www.opentransportnet.eu>
- data model, PostGIS
- Apache Spark - traffic volume modeling
- 2013 - 2014 University of West Bohemia, Plzeň (Czech Republic)
- work on the project **Plan4business** <http://www.plan4business.eu>
- routing in route network, database (PostGIS, PgRouting)
- 2011 - Present create maps for orienteering

Other

- 2015 **3th** place on **ACM SIGSPATIAL Cup 2015** competition
focused on shortest path search
- 2014 - 2015 Bachelor Thesis - Time dependent shortest path problem using MapReduce
- 2016 - 2017 Master thesis - Traffic volume modelling in parallel computing environment

Skills

Computer

Python, Scala, Java, JavaScript

PostGIS, Geography Information System (GIS)

Apache Spark

Other: C, SQL, PostgreSQL, Linux (Debian, Ubuntu), L^AT_EX , WebGL, ...

Other

Time-dependent shortest path problem

Traffic volume modeling

Create maps for orienteering

Languages

Czech (native), English (B2, technical)