

Levente Sipeki

Resume

WORK EXPERIENCE

JAN 2015 – PRESENT

Colorado School of Mines
PhD Candidate

Working on combinatorial optimization problems in an interdisciplinary field.
Use AMPL/CPLEX along with standard programming languages to solve applied problems in the areas of design, scheduling and operations.

JAN 2016 – PRESENT
& SEPT. 2012 – MAY 2013

Colorado School of Mines
C++ Instructor

Teach the class “CSCI 216 C++ Concepts” to a 45+ students complete with lectures, projects homeworks and offering extra help session in office-hours.

JAN 2015 – PRESENT

Colorado School of Mines
System Administrator

Maintain, update and administer research servers under the mechanical department.
Interface between software vendors, campus-wide IT and outside experts to fulfill necessary requirements to allow research to flow smoothly on servers.

MARCH 2014 – DECEMBER 2015

FICO
Software Engineer II

Designed and developed code in JAVA using a Vertica database to process, cleanse and store 50 million records per hour in various big data clusters.

NOV 2013 – MARCH 2014

Medical Simulation
Graphics Engine Developer

Working on a real-time 3D graphics and advanced physics systems written in C++ to create an immersive endovascular surgery simulation to train physicians on new products and procedures.

FEB 2013 – NOV 2013

Red Robin
JAVA Enterprise Developer

Integrated systems with partner companies, primarily using Java with Spring to create Maven projects which ran on a Tomcat server. Integration included connecting Active Directory, Kronos API, SQL database and various other platforms.

MAY 2011 – OCT 2011

Recondo
Software Development Intern

Develop and troubleshoot Java web-bots that interpret information from different health care websites.

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EDUCATION

CURRENT **PhD Operations Research**
Est Graduation: 2018
Colorado School of Mines

2013 **Masters of Science Computer Science**
Colorado School of Mines

2013 **Bachelor of Science Computer Science**
Colorado School of Mines

RELEVANT WORK

PUBLICATION **2nd Author & Under Review**
“Lessons Learned from a Company Dealing with Big Data”

MS THESIS **2013, Advisor: A. Szymczak**
“Simplification of Morse Decomposition using Morse Set Mergers”

PUBLICATION **1st Author in TopoVis**
“Simplification of Morse Decomposition using Morse Set Mergers”

PUBLICATION **2nd Author in IEEE Transactions**
“Visualization of Morse Connection Graph for Topologically Rick 2D Vector Fields.”

SKILLS

GOOD LEVEL CPLEX, AMPL, C++, JAVA, OpenGL, Camel, Maven, Apache, Spring/Maven, \LaTeX , MS Office Suite

INTERMEDIATE MySQL, subversion, git, github,

COMMUNICATION SKILLS

ENGLISH Fluent

HUNGARIAN Native Speaker

GERMAN Oral: Intermediate, Written: Advanced

ASSOCIATIONS & CLASSES

- Mining with Uncertainty Workshop
- AGILE Development Classes
- ServiceNow[®] Development & Management Workshop