

# Danut Mihaita Rusu

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Jacobs University Bremen, College Ring 7, Mailbox 413, 28759 Bremen, Germany

## PERSONAL INFORMATION

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**Nationality :** Romanian

**Date of birth :** 01 April 1995

**Languages :** Romanian (native), English (fluent), German (intermediate - A2.2 level)

## SKILLS AND ACHIEVEMENTS

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**Programming languages:** C/C++, Java, Python, SML

**Web Programming:** JavaScript, PHP, HTML, CSS

**Frameworks:** Spring

**Databases:** MySQL

**Tools:** TDD, Git, Bash, Maven, Gradle, Phabricator, LaTeX, R, OpenCV

## WORK EXPERIENCE

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Trifacta Inc.

June 2016 — August 2016

*Software Engineer Intern*

Worked on the integration of a cloud-based data storage solution into Trifacta. Tasks:

- Investigated client-server performance characteristics and wrote automated test scripts
- Implemented Cloud Storage support
- Implemented user-defined functions and data transformations for Dataflow
- Fixed bugs from the bug backlog

Jacobs University

September 2015 — June 2016

*Student Research Assistant - Software Developer*

Worked as a student research assistant for Rasdaman ( raster data manager ).The rasdaman technology enables storage of multi-dimensional arrays of unlimited size in a conventional database.

- Created a testing framework in Python, which is integrated into Jenkins
- Tested and maintained software modules using Java.
- Created a Domain Model using Spring Framework for a GIS standard, called Coverage Implementation Schema

Jacobs University

September 2015 — December 2015

*C Lab Teaching Assistant*

Tutored students and assisted them to finish programming tasks in order to understand the basics of C. I also held tutorials and graded homework assignments and exams.

*Data Analysis - Intern*

Worked in a project called Data Management and Handling, where I implemented techniques, based on the analysis of raw data provided, in order to improve the data quality and verification process.

## JacobsHack

October 2015

*Poverless application*

Created an android application, during the jacobsHack hackathon, which allows people to donate money to a NGO, in order to improve quality of life. Used API's to read credit card details and google maps.

## National Contest

April 2013

*'My anti-drug message' Project*

Created an website during the 'My anti-drug message' campaign. It was done using HTML, PHP, CSS and JavaScript.

## Cyberfair Contest

December 2012

*'A healthy lifestyle' Project*

Created an website during the Cyberfair contest, with the purpose of encouraging people to live a healthier life. It was done using mainly HTML and CSS.

## EDUCATION

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Mathematics - Informatics , Intensive  
Informatics

September 2010 — June 2014

*"Eudoxiu Hurmuzachi" National College, Radauti, Romania*

Obtained the high school diploma (Romanian Baccalaureate : Mathematics, Informatics, Romanian language and literature ) with GPA 9.86 out of 10.

## B.Sc. in Computer Science

September 2014 — Present

*Jacobs University, Bremen, Germany*

Comprehensive three-year accelerated B.Sc. program in Computer Science.  
Expected graduation: June 2017.