

Janka Gal

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Education

Purdue University, West Lafayette, IN

B.S., Computer Science • Track: Software Engineering

B.A., German

GPA: 3.70/4.0

May 2018

May 2018

University of Freiburg, Germany (Academic Year in Freiburg)

September 2016 - August 2017

Work Experience

Software Engineering Intern - highQ GmbH, Freiburg, Germany

April 2017 - July 2017

- Enhancing and developing a Java web application for converting hex strings containing information from the ((eTicket Deutschland System into a user friendly display using PrimeFaces
- Communicating entirely in German

IT Services Intern - Automotive Finance Corporation (AFC), Carmel, IN

May 2016 - August 2016

- Created SOAP requests and testsuites using SoapUI and WSDL files
- Developed a Java application to execute tests automatically for each environment of the AFC application, to generate a CSV file with results, and to be flexible for future updates
- Wrote an ant build and packaged the file to be run during environment build refreshes

Projects

Nomad iOS Application

- Programmed an application in Swift to document adventures in an interactive travel scrapbook
- Used the CoreLocation API for GPS coordinates and NSCoding for file and image storing

Safe Walk Android Application

- Developed an Android application with Network I/O to serve as a client and a server in Java
- Created matches between requesters and volunteers for Purdue's Safe Walk Program

Chat Program in C

- Uses client-server interaction and GUI user interface
- Implements linked lists and arrays to store and access messages and rooms
- Allows users to maintain conversations that are automatically refreshed in multiple chat rooms

Skills

Java, C/C++, Swift, HTML/CSS, Android, UNIX, Git, R

Relevant Experience

Mentor - Mentors for Aspiring Girls in Computing (MAGIC)

August 2014 - May 2016

- Collaborated with CS women to teach high school girls basic programming concepts through Scratch, MIT App Inventor, Processing, Java, and JavaScript
- Led classroom sessions and encouraged higher education study in computer science

Teaching Assistant - CS 180 (Problem Solving And OOP)

August 2015 - May 2016

- Ensured comprehension of course material and taught Java concepts
- Answered student questions, understanding and finding errors in code, and graded labs

Organizer and Mentor - BoilerCode Programming Day

January 2015 - Present

- Recruited and communicated extensively with eighty mentors and students
- Mentored middle and high school students in MIT App Inventor to create own apps
- Automated email replies to volunteers and participants and lead mentor training days

Achievements/ Involvement

Women in Science Program Mentor/ Mentee

August 2014 - May 2016

Computer Science Women's Network

August 2014 - Present

Peer 2 Peer Program Mentor

September 2015 - May 2016