Janka Gal

janka@purdue.edu • (317)-445-9682

Education

Purdue University, West Lafayette, IN   GPA: 3.65/4.0
B.S., Computer Science • Track: Software Engineering   May 2018
B.A., German   May 2018
University of Freiburg, Germany (Academic Year in Freiburg)   September 2016 - August 2017

Work Experience

Software Engineering Intern - highQ Computerlösungen, 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