

Mariya Zagainova



Experience

Oct 2017 -
present

Robotics Research Assistant

Robotics Research Lab, UNR

Optimize the functionality of a Distributed Control Architecture for Collaborative Multi-Robot Task Allocation.

- Expanded architecture to include a third robot for distribution of tasks.
- Integrated a dialogue architecture that allows communication between the robots and human when an issue occurs.
- Developed pause and undo functionality to reset tasks when issues occur.

Jun 2018 -
Aug 2018

REU in Robotics and Autonomous Systems

University of Southern California

Assisted with the development of an in-home Socially Assistive Robotics (SAR) habit formation study.

- Created a pipeline for accelerometer data analysis in R.
- Developed and ran an in-lab study to determine the effectiveness of SAR system reward behaviors.
- Programmed movements for a 6 DOF robot and developed a matching puzzle game (Python) that were both used in the study.

May 2017 -
Nov 2017

Front End Developer

Hughes Private Capital

Expanded the company's customer reach through novel marketing campaigns based in Google Adwords, Twitter and LinkedIn. Technical tasks included:

- Website development through WordPress and cPanel
- Form creation in HTML and CSS

Feb 2017 -
Aug 2017

IT Helpdesk Intern

IGT

Excelled as one of the top three IT support interns in the company. Provided IT help desk support over the phone to IGT employees through effective and efficient communication.

Jan 2016 -
Aug 2016

Technology & Entrepreneurship Intern

Adams Hub for Innovation

Directed a team of interns that assisted local tech-based startup companies with market research, social media writing, translation services and event planning.



Involvement

Aug 2018 -
present

President

Engineering Leadership Council

Managed the distribution of over \$70,000 of funding to all engineering clubs at UNR through bi-yearly funding application reviews.

Aug 2017 -
May 2018

President

Women into CSE Club

Increased the membership of WiCSE through a summer coding program and community outreach events. Acquired funding from the CS department to attend the Grace Hopper Celebration.



Personal Info

Address

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GitHub

<https://github.com/mzagainova>



Education

Aug 2015 - May 2019

University of Nevada, Reno

- B.S. in Computer Science & Engineering | 3.7
- Machine Learning, Database Design, Algorithms, Probability and Statistics

Aug 2016 - Dec 2016

University College Cork, IE

USAC Study Abroad Program



Skills

Python, C++, C#, Java, SQL, HTML/CSS, JavaScript, R, ROS

Research Methods and Study Design

Database design and implementation (SQL Server)

Git



Projects

"Netflix Match" Android Mobile App (Java)

Cube Obstacle Avoidance Game- Unity (C#)

Operating System Simulation (C++)

Game Engine Architecture and Space Shooter Game - Ogre (C++)



Languages

Russian - native

Spanish - bilingual