Elizabeth Koshelev

lizziekoshelev@gmail.com | https://github.com/ekoshelev | https://lizziekoshelev.com/

SKILLS

Programming Languages: React JS, Liquid, PHP, Javascript, Ruby, Java, C, HTML, MATLAB, Python, Scheme, CSS
Operating Systems: Windows (all versions since XP), Mac OS, Ubuntu Linux
Software Skills: MATLAB, Microsoft Office, Android Studio, Mathematica, Audacity, Tassman, Photoshop, Ruby on Rails, Github, Bootstrap, Netbeans
Languages: Fluent in English, Semi-Fluent in Russian, Limited Working Proficiency in French

EXPERIENCE

Freelance Developer, Boston, MA — December 2019 - Current

Shopify Developer

- Designed and built several custom Shopify themes for clients
- Built out an $80,000 ecommerce brand from scratch
- Custom coded a subscription-based music distribution site

Wayfair, Boston, MA — June 2018 - December 2019

Software Engineer

- Created ad campaigns for suppliers that resulted in millions of dollars in profit
- Built out new microsites on wayfair.com for suppliers
- Designed and built out admin tools for internal use to manage ad campaigns
- Set up jenkins jobs to run daily and email impression reports from campaigns

Research Experience for Undergraduates, Lehigh University, Bethlehem, PA — May 2017- August 2017

Researcher

- Utilized Project Malmo to create an interactive, artificially intelligent Minecraft agent that utilizes hierarchical task networks to learn how to make items from a player's actions
- Created a visualization of the agent explaining how it was trained: https://www.youtube.com/watch?v=NQe25BEfeSQ
- Wrote a manual for utilizing Project Malmo and interacting with the agent
- Collaborated with the authors of *"Automated Learning of Hierarchical Task Networks for Controlling Minecraft Agents"* (Nguyen, Reifsnyder, Gopalakrishnan, Munoz-Avila) to create an interactive demonstration with the Minecraft agent

Research Experience for Undergraduates, Salisbury University, Salisbury MD — May 2016 - January 2017

Researcher

- Implemented deep learning algorithms for change detection in satellite images
- Created and tested hundreds of neural networks with varying sets of satellite data
- Parallelized MATLAB code to accelerate runtime by 3x
- Collaboratively published paper *Accelerated Change Detection in Synthetic Aperture Radar Images through Deep Learning* in the ICNC 2017 Conference Proceedings
- Attended the International Conference on Computing, Networking, and Communications in January 2017

EDUCATION

Brandeis University, Waltham, MA — May 2018

Bachelor of Science in Computer Science

Awards and Honors: Dean's Scholar, Dean's List, Provost's Undergraduate Research Fund

National University of Ireland (IFSA Butler), Galway, Ireland — Spring 2017