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DMYTRO RYZHKOV

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EDUCATION

Boulder, CO	University of Colorado Boulder	Graduating May 2018

- **Junior** pursuing Bachelor's Degree in **Computer Science**
- **Related Undergraduate Coursework:** Software Development Methods and Tools, Object Oriented Analysis and Design, Principles of Programming Languages, Algorithms, Database and Information Systems, Discrete Structures, Computer Systems, Data Structures, Intro to Programming, Intro to Linear Algebra
- **Memberships:** Society of Women Engineers, University of Colorado Debate Team, Conference on World Affairs - Tech and Science, Global Engineering Residential Academic Program

EMPLOYMENT

Research Assistant	CU Department of Information Science	May 2016 - August 2016

- Developing a machine learning application which automatically labels a large amount of data scraped from social media in order to monitor and analyze various diseases and health trends around the world. **Python**
- Wrote scripts to mine large amounts of data from social networking sites. **Python**

TECHNICAL EXPERIENCE

Projects

- **Sociable** (2016). Virtual reality app for the Oculus Rift that helps special needs students to react appropriately in certain social situations by putting them in a fun and safe environment. **C#, Unity**
- **Javascript Interpreter** (2016). Built a Javascript interpreter in order to learn about the theory behind programming languages, as well as the design and implementation. **Scala**
- **flix** (2016). A cross-platform movie app where users can see information on upcoming movies, search for movies, and keep track of movies they want to see. **APIs, HTML/CSS, Javascript, Ionic Framework**
- **Car Hop** (2016). A simple game made for multiple platforms where you run through the streets, jumping over cars. **Javascript, HTML, Phaser Framework**
- **Android Game** (2016). Sidescrolling infinite runner game for the Android operating system. **Java**
- **HobbyHub** (2015). A group based social network/forum where users can join different groups depending on their hobbies and have discussions with other users about their interests. **MySQL, PHP, Yii Framework**
- **PipBoy** (2015). Wearable tech based off of a video game, with various functions to aid the user. **Python**

ADDITIONAL EXPERIENCE AND AWARDS

- **Third Place , HackCU 2016 Hackathon:** Received third place overall for a virtual reality app aimed at teaching special needs children how to react in social situations

PUBLISHED PAPERS

- Xiaolei Huang, Michael C. Smith, Michael J. Paul, Dmytro Ryzhkov, Sandra C. Quinn, David A. Broniatowski, Mark Dredze. **Examining patterns of influenza vaccination in social media.** *AAAI Joint Workshop on Health Intelligence (W3PHIAI)*, San Francisco, February 2017

Languages and Skills

- C++, C, Python, HTML/CSS, Javascript, Java, PHP, Scala, MySQL
- Git/Github, Software Development, Object Oriented Programming, Bash Shell Scripts, Agile Methodology, APIs, Linux, OSX, Windows, Test Driven Development, Android Studio, Machine Learning