DARIA TARASOVA

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EDUCATION

2018–Present **Master's Degree in Computer Science and Engineering**, *Michigan State University*.
Expected Graduation: May 2020

2013–2017 **Bachelor's Degree in Computer Science and Engineering**, *Michigan State University*.
Specialization in Chemistry
GPA: 3.3/4.0

EXPERIENCE

June 2019–August 2019 **Software Engineer Intern**, *Center for Translational Data Science*, University of Chicago.
Developed meta-wrapper scripts and cron jobs focused on automating DevOps workflows
Implemented 3+ wrapper scripts in Python and Bash replacing manual processes
Utilized Docker and Salt in order to write efficient scripts for cron jobs
Worked with DevOps team using Agile methodology

August 2018–Present **Graduate Assistant**, *CSE 231 - Intro to Programming*, Michigan State University.
Led weekly recitation labs of 25 students and held consulting hours for helping students in-person
Communicated fundamental programming concepts using Python to undergraduate students
Graded weekly projects and created future class projects

January 2017–August 2018 **IT Development Intern**, Medical Advantage Group.
Developed 2 new web functionalities and pages in PHP to simplify user permission edits
Implemented 5+ unit tests to integrate into new continuous testing pipeline
Coordinated with other departments to develop new web components and existing web pages

July 2015–June 2017 **Software Developer Intern**, OmiDx/QuHAnT.
Developed image analytics software using OpenCV to increase efficiency of workload for pathologists
Led a team of 2 undergraduate students to develop a new framework for back end/front end of website in order to increase usability and code efficiency within cloud database
Developed new image quality software by creating 4+ algorithms to detect multitude of image quality issues

PROJECTS

February 2016 **Hi World**, HTML/CSS/Python/Ajax/JavaScript.
Won Best Use of LiquidWeb API Award at SpartaHack 2016
Built a website application that identifies the contents of an image and provides definitions and facts to encourage fast information to children

POSTERS

November 2016 **Algorithm Development For High-Throughput Quantitative Histological Image Analysis**.
Presented at SuperComputing Conference (SC16)

July 2016 **Development of Image Quality Control Modules For Web-Based Image Submission System**.
Presented at MidSURE 2016

PROGRAMMING LANGUAGES

Most Familiar Python C/C++ Bash OpenCV Node.js PHP
Proficient SQL Jade JavaScript HTML/CSS MatLab