

DARIA TARASOVA

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EDUCATION

Michigan State University, East Lansing, MI

Graduated : December 2017

- B.S. in Computer Science and Engineering
- Specialization in Chemistry
- GPA: 3.31/4.0

EXPERIENCE

IT Development Intern, Medical Advantage Group

January 2017 - Present

- Developing and maintaining applications and health care systems to support consulting efforts targeted at optimizing physician performance
- Developed 2+ unit tests and fixed current tests to integrate into new continuous testing pipeline
- Programmed new activity tracker features using PHP to improve efficiency of practice consultants

Software Developer Intern, Zacharewski Lab/QuHANt

July 2015 - June 2017

- Assisted in development of software startup by developing 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
- Translated initial image analytics software from Matlab to OpenCV/Python and C++

Computer Science Mentor, ITEC 2020 Girls

Spring 2015

- Facilitated educational activities teaching basic engineering and computer science principles to middle school girls
- Encouraged girls from 4th to 8th grade to participate in engineering activities and challenges each week
- Planned weekly activities focused on developing STEM fundamentals and interests

PROJECTS

Hi World!, HTML/CSS/Python/Ajax/JavaScript

February 2016

- Best Use of LiquidWeb API 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

Spontango, HTML/CSS/JavaScript

February 2016

- Built a website application that enabled the user to participate in spontaneous travel by allowing them to choose where to travel via Esri API and provided directions and packing suggestions

POSTERS

Algorithm Development For High-Throughput Quantitative Histological Image Analysis

- Presented at SuperComputing Conference in November 2016

Development of Image Quality Control Modules For Web-Based Image Submission System

- Presented at MidSURE 2016

COMPUTER SKILLS (* = MOST FAMILIAR)

Python*	C/C++*	OpenCV*	Node.js*	Jade	JavaScript
PHP	HTML	CSS	Matlab	SQL	