

# DARIA TARASOVA

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## EDUCATION

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**Michigan State University**, East Lansing, MI

Expected Graduation: December 2017

- B.S. in Computer Science and Engineering
- Specialization in Chemistry
- GPA: 3.28/4.0

## EXPERIENCE

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**IT Developer 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 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 4<sup>th</sup> to 8<sup>th</sup> grade to participate in engineering activities and challenges each week
- Planned weekly activities focused on developing STEM fundamentals and interests

## PROJECTS

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**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

## ORGANIZATIONS

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**SCI Magazine**, Web Designer

September 2014 - May 2016

- Interacted with content writers to provide ease in backend of website while providing useful changes on the front end

## COMPUTER SKILLS (\* = MOST FAMILIAR)

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