

Olga V. Shestopalova

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EDUCATION

Massachusetts Institute of Technology (MIT)

Candidate for B.S in Computer Science and minor in Economics

GPA: 4.9/5.0

Cambridge, MA
2016

Relevant Courses: Design and Analysis of Algorithms, Computational Structures, Communicating with Mobile Technology, Intro to Algorithms, Software Construction, Intro to EECS, Discrete math for CS, Intro to C and C++

COMPUTER SCIENCE

MIT AppInventor

Software Developer

- Fixed bugs in the backend arising from switching from one generation of the product to the next.
- Optimized amount of transactions calls made to the database, added new features to product.

Cambridge, MA
February 2014
- present

MokaFive

Software Development Extern

- Web-scraped information on Ubuntu hardware certification to aid in identifying which computer systems will support a product.
- Created a webapp with Django to search the database.

Cambridge, MA
January 2014 -
February 2014

MIT Media Lab

Web Developer

- Worked in Ruby on Rails to improve existing website infrastructure.
- Created a process that would convert uploaded videos to standardized formats and sizes and optimized display of video and audio projects.

Cambridge, MA
September 2013
- January 2014

MokaFive

Frontend UI development intern

- Implemented management console UI to control permissions of clients connecting to cloud storage.

Redwood City, CA
June 2013 -
September 2013

LEADERSHIP

American Taekwondo Association

Assistant Instructor

- First Degree Black Belt, participated in Taekwondo for four years.
- Volunteered and worked as assistant instructor; instructed children in Taekwondo curriculum, integrating fitness, sparring, and forms into structured classes.

Miami, FL
August 2010 -
August 2011

RESEARCH EXPERIENCE

MIT Hadley D. Sikes Lab

Undergraduate Researcher

- Optimized protocols for engineering P450-BM3 enzymes to produce controlled ROS inside mammalian cells as a tool to study these chemical molecules' effects on cancer biology.

Cambridge, MA
February 2013 -
May 2013

University of Miami, Bascom Palmer Eye Institute

Lab Intern under Dr. Sanjoy Bhattacharya

- Performed experiments in proteomics and enzyme activity; conducted gel electrophoresis.

Miami, FL
June 2011 -
September 2011

SKILLS

Computer: Eclipse, Linux, LaTeX, Android; Web: Django, HTML, CSS; OOP: Python, Java, C++

Languages: Native Russian; some Spanish and Japanese.

EXTRACURRICULARS and AWARDS

MIT Security Club, MIT Ski Team, Sailing, Cooking, National Honors Society, MIT 6.005 Lab Assistant

Summa Cum Laude, National Merit Finalist, National AP Scholar, Grand Master Emeritus Soon Ho Lee Scholarship