Natasha Consul

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Education

Massachusetts Institute of Technology (MIT) **Cambridge, MA**

Intended Major in Computer Science and Economics June, 2017

Courses:

Introduction to EECS 1, Principles of Microeconomics, Multivariable Calculus with Theory, Physics II, Solving Complex Problems

Elements of Software Construction, Math for Computer Science, Writing and Experience, Principles of Chemical Science

Salem High School **Canton, MI**

GPA: 4.37/4.0 • Rank 1/504 June, 2013

Technical Experience

Skills: Python, Java, Eclipse, C++, Code::Blocks, CSS/HTML, JavaScript, MySQL, PHP, LaTeX, Ubuntu 12.04 Virtual Machine

Web Programming (HTML, CSS, MySQL, PHP) *Jan. 2014*

Creating a website from backend to frontend using HTML, CSS, JavaScript, MySQL, and PHP
Exploring different frameworks including Node.js and Ruby on Rails

Robotics and Simulation (Python): *Sept. 2013 – Dec. 2013*

Created a Google Maps model using breadth-first search, depth-first search, uniform cost search, and heuristics
Programmed a robot to follow a path through a known environment using feedback control systems
Used Markov Models to create a path for a robot in an unknown environment with stable and noisy systems

Tetris Game (Java, Eclipse): *2012 - 2013*

Created a model of the game Tetris using tools such as polymorphism, inheritance, recursion, sorts, and arrays

Harry Potter Quidditch Game (C++, Code::Blocks): *2011 - 2012*

Created an interactive game using functions and arrays as well as SDL graphics library and header/source files

Work and Community Experience

UROP – Sloan School of Management: Entrepreneurship in the Music Industry *Oct. 2013 – Dec. 2013*

Examining the effects of label-publishing companies on the success of singers in the music industry
Compiling and statistically analyzing data to better understand the economic-side of the music industry

The Art of Problem Solving *June 2013 – Sept. 2013*

Critiqued math solutions written by students taking online classes offered by the Art of Problem Solving
Taught students useful skills necessary for success in national math competitions

The African American Parent Network in Southfield, Michigan *June 2011 - June 2013*

Initiated a program through the African American Parent Network to inspire inner-city students
Assisted middle school and high school students who were falling behind in their school math classes
Helped the students appreciate mathematics as conceptual knowledge and problem-solving skills building

Leadership Experience

Design for America at MIT: Campus Relations *Nov. 2013 - present*

Engineering and implementing solutions to target social issues in the local community
Planning and supervising campus-wide events to recruit and guide students
Proposing model solutions for national problems

Society of Women Engineers at MIT: Outreach Service Co-Chair *Sept. 2013 - present*

Bringing interest and awareness of science and engineering to the community
Coordinating local and national events that provide the opportunity to explore science through experimentation

Awards and Honors

National Merit Finalist, 1 of 2500 students nationwide, selected *Feb. 2013*

National AP Scholar, scored 5 on 8 or more AP Exams, including AP Computer Science A *May 2011*

Canadian Math Olympiad Qualifier, among top 50 scorers, internationally *Apr. 2011*

American Invitational Math Examination Qualifier, top 5% of students nationwide, selected *Mar. 2009 - 2013*

Outside Activities

Jane Street Women in STEM: attended Jane Street's 2-day recruitment event at Jane Street investment firm in NYC *Aug. 2013*

Michigan National Debate Institute: explored policy debate at the University of Michigan's 3-week camp *July 2012*