

# SUMMER VO

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Personal Website: <https://Svo217A.github.io>

## EDUCATION

*Massachusetts Institute of Technology (MIT)*  
B.S. candidate, Course 6-3, Computer Science (CS)  
Expected graduation 2021, GPA: 4.8/5.0

*Alabama School of Fine Arts (ASFA)*  
High school, Russell Math & Science  
Graduated 2017, GPA: 4.5/4.0

## LANGUAGES & TECHNOLOGIES

### FAMILIAR WITH

Java, C/C++, Python

SAS and SQL

Alice, App Inventor

### CERTIFICATIONS

SAS Certified Base Programmer for SAS 9 from SAS Institute (2016)

### RELEVANT COURSES (\* indicates Fall 2018)

6.179 Introduction to C/C++ (2018)

6.178 Introduction to Java (2018)

6.042 Mathematics for CS\*

6.031 Software Construction – Java\*

6.03 Introduction to EECS via Medical Devices – MATLAB (2018)

6.009 Fundamentals of Programming – Python (2018)

## COMMUNITY SERVICE

### *MIT School Events*

- Volunteered, Harvard-MIT Math Tournament reception set-up, USWIM guide and grader, and Science Olympiad Anatomy & Physiology proctor and grader (2017 – 2018)
- Code For Good member, designed and developed web app for The Second Step nonprofit organization (2018)
- Mentor for DynaMIT, a student organized and run summer program in STEM (2018)
- Associate Advisor, a resource for incoming freshmen (2018 – 2019)

### *Vice President & Member Mu Alpha Theta*

- Organized and participated in multiple fundraising events for Mu Alpha Theta (2015 – 2017)
- Tutored twice a week in Energy and Matter, Geometry, Algebra, Calculus, and Computer Science (2014 – 2017)

### *School Wide Events*

- Volunteered to teach middle school students how to program Lego Mindstorm robots (2014 – 2017)
- Mentored as a Peer Helper for incoming ASFA students (2013 – 2015)

## AWARDS

- National Merit Finalist (2016)

### COMPUTER SCIENCE

- Perfect score American Computer Science League invitational (2017)
- 1<sup>st</sup> place Grace Hopper Award & 5<sup>th</sup> place overall, High School Programming Contest (2017)
- Top 2%, invitational round of North American Computational Linguistics Olympiad (2016)

### SCIENCE

- Science Olympiad (2015 – 2017)
  - 2017 Regional: top 3 Wind Power, Experimental Design, Anatomy & Physiology, Microbe Mission
- BEST Robotics (2015 – 2016)
  - Primary contributor to the Notebook, 1<sup>st</sup> place Science Bowl (2017): 1<sup>st</sup> place team, Alabama regional

## RESEARCH EXPERIENCE

### **Robustness of Currently Deployed Voice Authentication Systems**

Computer and Information Sciences Department, University of Alabama at Birmingham, Dr. Nitesh Saxena

- 3<sup>rd</sup> place at CARSEF, Mathematics and Computer Science
- Awarded INTEL Excellence in Computer Science Outstanding Achievement