

Satwik Mekala

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SUMMARY

Technically savvy in robotics, cyber security, and with a strong mathematical background student looking for an internship that will support in gaining solid foundation and advancement in software development.

HIGHLIGHTS

- Unmatched talent in mathematical & algorithmic analysis with strong emphasis on efficiency of time and space complexity
- Demonstrated excellence in writing efficient code to add new product features and modify existing features to enhance functionality
- Excellent team player

EDUCATION/ TRAINING

Georgia Institute of Technology, Atlanta, GA

August 2016 –Exp. Grad. May 2019

Bachelor of Science in Computer Science (GPA: 4.0)

Relevant Coursework: Data Structures ~ Algorithms ~ State Diagrams ~ Assembly Programming ~ C Programming ~ Discrete Math ~ Object Oriented Programming

Advanced Math and Science Academy Charter School, Marlborough, MA

August 2012- May 2016

High School Diploma (GPA: 3.93/4.0)

Relevant Coursework: Oracle Certification Course ~ Cybersecurity ~ Cryptology

Program in Mathematics for Young Scientist, Boston University, Boston, MA

June 2015 – August 2015

- Learned basic number theory and the numerical basis of encryption.
- Conducted elementary research on generating functions for number sequences

EXPERIENCE

Academic Student Interest Tracker – (ASIT), Marlborough, MA

March 2016 – May 2016

Project Lead for Networking and Collaborative platform

- Developed an application to track the progress and goals of students
- Created and controlled a back-end server for the platform using PHP
- Helped keep the online collaborative platform organized and efficient
- Prepared documentation to help future teams with development

FIRST Robotics Team #157 Marlborough Aztecs, Marlborough, MA

December 2015 - May 2016

Head Programmer

- Utilized Java and *wpilib* robot library to control a robot for autonomous movement over rough terrain and human operated movement
- Maintained the Github repository
- Communicated programming approach to judges at numerous competitions

Advanced Math and Science Academy Charter School Math Team, Marlborough, MA

September 2014 - May 2015

Vice President

- Worked closely with school administration to organize math tournament and secure funding for math related events

- Supported the president in all organizational matters

TECHNICAL SKILLS

Programming Languages: Java, MySQL, Git, C; Good understanding of PHP, HTML, and CSS

Operating Systems: Windows, Linux

Software: MS Office Suite, Eclipse, IntelliJ IDEA, Metasploit

MEMBERSHIPS, AWARDS, & SOCIAL ACTIVITIES

Grey Hat (Member)

August 2016 – Present

A student-run organization that looks to advance understanding and exploration of Cybersecurity

The Agency (Member)

August 2016 – Present

A student-run organization that looks to advance understanding and exploration of Artificial Intelligence

VOLUNTEERING

Destination Imagination

September 2014 - May 2016

- Mentored and managed students in an acting oriented competition in order to equip them with the correct skills to succeed.

Lifeline Animal Project

February 2017 – Present

- Helped at vaccination clinics for dogs, helping with unloading objects and crowd control