Satwik Mekala

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SUMMARY

I am looking for an internship that will support me in gaining a solid foundation and advancement in software development skills with a focus in cybersecurity and Artificial Intelligence.

EDUCATION/ TRAINING

Georgia Institute of Technology, Atlanta, GA

*Bachelor of Science in Computer Science (***GPA: 3.90***)*   *Exp. Grad. May 2019*

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

High School - Relevant Coursework: Oracle Certification Course ~ Cybersecurity ~ Cryptology

TECHNICAL SKILLS

Programming Languages: Java, MySQL, Git, C, C#, Python; Good understanding of PHP, HTML, and CSS
Operating Systems: Windows, Linux
Software: Eclipse, IntelliJ IDEA, Visual Studio
Frameworks: Metasploit, Bootstrap
Development Process: Agile Methodology

PROFESSIONAL EXPERIENCE

OT-Morpho   **Billerica, MA**

Software Engineering Intern   *May 2017 – August 2017*

- Designed and developed a validation tool to verify data integrity of SOAP (Simple Object Access Protocol) web services during upgrades, downgrades and data patches on the Driver 360 system.
- Created an ASP.NET web application to interface with a SOAP-based web services
- Designed and developed a SQL database to store historical data and log requests

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

Project Lead for Networking and Collaborative platform   *March 2016 – May 2016*

- 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

FIRST Robotics Team #157 Marlborough Aztecs   **Marlborough, MA**

Head Programmer   *December 2015 - May 2016*

- Utilized Java and *wpilib* robot library to control a robot for autonomous movement over rough terrain and human operated movement
- Maintained the Github repository
- Explained software design details to judges at numerous competitions

RESEARCH

Embedded System Cyber Security   *August 2017 – Present*

Georgia Tech Vertically Integrated Projects

- Developing and understanding zero days in an embedded environment
- Coding scripts in C to exploit zero days on device

LEADERSHIP & ACTIVITIES

North Avenue East Hall Counsel Events Coordinator   *August 2017 – Present*

Elected to create and run events for the Residence Hall of over 500 students

Grey Hat (Member)   *August 2016 – Present*

A student-ran 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

Lifeline Animal Project   *February 2017 – Present*

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