

**SURYA VADIVAZHAGU** (svadivazhagu@wpi.edu)

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**GitHub:** <https://github.com/svadivazhagu>

**OBJECTIVE:** Seeking a dynamic computer support opportunity that leverages my technical, analytical and problem-solving skills, enables me to have impact, and expands my own learning and capabilities, in a dynamic and collaborative environment with great culture.

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## Education

**WORCESTER POLYTECHNIC INSTITUTE, CLASS OF 2020** Worcester, MA  
**Major: Computer Science** 2016 – Present  
**Minor: Bioinformatics and Computational Biology**  
**Technical Skills:** Java, Python, NetLogo, GDB, Git, Microsoft Office, Junior Full Stack Developer (SQL skills used with Spring framework in backend and Angular.js work with Google Web Toolkit in frontend for UI design.)

**HENRICO HIGH SCHOOL** Richmond, VA  
**International Baccalaureate Program, Advanced Diploma** 2012 – 2016

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## Experience and Past Projects

**TraceLink, Inc.** North Reading, MA  
**Software Engineering Intern** Summer 2018

- Created metrics tool to better analyze overall system performance and provide feedback.
- Implemented original workflows/features into modularized platform on AWS.
- Designed test suites for pathways of other project regions.
- Technologies Used: Java 8, Git, Maven, Docker, Agile, AWS, Mockito, JUnit.

**Hack @ WPI Hackathon** Worcester, MA  
**rscBot (Open Source Project)** January 2018

- Used web API of VoIP application Discord to build a Python program that handles group formation in highly populated servers with numerous members and groups.

**BOY SCOUTS OF AMERICA** Worcester, MA  
**Programming Merit Badge Instructor** November- December 2017

- Planned and executed Computer Science Merit Badge training for the Boy Scouts.
- Instructor for 20 Boy Scout troop members
- Programming Languages: C++, Python, and Java.

**COURSELOAD MANAGEMENT SYSTEM** Worcester, MA  
**Software Engineering Course Project** January-March 2018

- Created a full stack web application for university faculty to manage their courseload over the course of a hypothetical academic year.
- PostgreSQL backend database using Java in conjunction with Google Web Toolkit for UI design.
- Experience with MVC, various design patterns, and layers between client and server.

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## Other

- First place in the Most Realistic Category at the Capital One Hackathon (2015) – Built Wired Control Arduino-based robot using accelerometers to detect movement
- Member of WPI Men's Tennis team (2016-2018)

