Varun Parthasarathy

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Education

UNIVERSITY OF ILLINOIS | CHAMPAIGN, IL | 2015-2019 (EXPECTED)

· **Statistics & Computer Science – College of Liberal Arts & Sciences**

LYNBROOK HIGH SCHOOL | SAN JOSE, CA | 2011-2015

· **Lynbrook Robotics Officer (2013-2014).** Joined club in 2012. Worked on main robot software as well as numerous other auxiliary utility programs.
   · Finalists, Engineering Inspiration Award Winner – FRC Boston Regional 2013
   · Archimedes Division – FIRST World Championships 2013, 2014
   · Regional Winner – FRC Cleveland Buckeye Regional 2014
· **National Merit Finalist (2014).**
· **Lynbrook Basketball Team (2011-2015).**
   · F/S El Camino League All League Second Team (2013).
   · Most Improved Player (2012, 2013, 2014).
   · Varsity Team Captain (2015).

Work Experience

· **Summer Intern, MobileIron Inc. (2014).** Developed "Logos" Secure IM client prototype for Android. Made use of Golgi API along with custom REST API and the AppConnect system to create fluid communication between devices.

Technical Experience

NOTABLE PROJECTS

· **Rhesus Toolkit (2013-2014).** Toolkit containing various utilities for robot programming including those for task management, asynchronous I/O, diagnostics, etc. Utilizes WPILib, and while written for VxWorks, it is built to be forwards-compatible with the 2015 Linux version of WPILib. C++.
· **SpotMeet (formerly Mobbur) (2014).** Mobile social event management service. Contains mobile front end and custom REST API written in PHP for the back end. Service no longer online as of August 2014. Wrote entire Android front end (Java). Submission to 2014 LAHacks Hackathon event.
· **PasswordMaster (2013).** Encrypted password notebook application for Android. Makes use of standard encryption practices for password and data storage. Contains extra features such as a password generator and file backup. Java, XML (Layouts).

· **Lynbrook Robotics Codebase (2012-2014).** Software work done for Lynbrook Robotics Club.

   · **Main Robot Code:** Code running on the robot itself. Includes work on robot subsystems that control the robots actions and routines. Runs on VxWorks using WPILib. C++.

   · **Dashboard 2.0:** A debugging and analysis tool that relays information over the network from the robot and displays it. Utilizes the XNA framework as well as the Neoforce controls API to create a graphical representation of all data. C#.

LANGUAGES & TECHNOLOGIES

· **Languages:** Java, C++, C#, C, Python
· **Environments:** Visual Studio, Eclipse, WindRiver Workbench, IntelliJ IDEA (Android Studio etc.)
· **Platforms:** Windows, Java Runtime, Android, VxWorks