­­ Kalyan Madanapalli

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Education

**Georgia Institute of Technology**

* Program: Master of Science in Computer Science
* Specialization: Machine Learning

**Virginia Polytechnic Institute and State University**

* Major:Computer Science (BS)
* Cumulative GPA: 3.62 / 4

Skills

* Languages: Java (proficient), Python (proficient), C (familiar), JavaScript (prior experience), HTML (prior experience)
* Work-related software: PostgreSQL, Storm, Redis, Camel, Kafka, Spring framework, JPA (Hibernate), REST services
* Machine Learning software: OpenCV, TensorFlow, Scikit-learn
* Simulation software: MATLAB, Simulink, ROS, Gazebo
* Mobile App Development: Android Studio, Google Firebase, Google Cloud Messaging
* Automation software: Jenkins, Maven, Puppet

Work Experience

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| **Software Developer at Solers, Inc** | * Currently working as a full-time Software Developer * Working on a project under Space Domain Awareness * Working with processing satellite data in mainly Java and Python | June 2018 |
| **Co-op at Solers, Inc** | * Worked on Satellite Ground Systems under Systems side * Added features such as workflows for Request Tracker (virtual help desk) * Created a puppet module to deploy a fully configured Request Tracker to an instance (in Open Stack) | May 2017 – December 2017 |
| **CS Molecular Dynamics Research** | * Worked with visual molecular software like VMD, Pymol * Created a short molecular movie of the interactions of a specific nucleosome * Developed a VMD plugin that displays additional information regarding the residue selected in VMD | May 2017 – August 2017 |
| **CS 2505 Teaching Assistant** | * Helped students in the course CS 2505 with homework and relevant coursework * Held weekly office hours where 4-8 students would come for help | January 2017 – May 2017 |

Extracurricular

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| **AutoDrive Challenge** | * 3 year competition to develop an autonomous vehicle to navigate an urban driving course * Member of the team under Perception and Simulation division * Under Perception, developed a camera-based stop sign detection * Under Simulation, worked with modeling sensors like LiDAR | August 2017 – May 2018 |
| **TA Tips** | * Developed mobile android app called “TA Tips” (personal project with 3 other friends) * Used for students that need tutoring from other students | May 2017 – August 2017 |
| **Programming Team** | * Weekly Competitions composing of over one-hundred participants * Improved problem solving skills by tackling challenging problems | August 2016 – May 2018 |