Yanushka Gnanamuttu
3rd Year Computer Engineering Student

Contact

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About

Seeking Internships for Summer 2018

Interested In: Distributed Systems Embedded Software and Autonomous Vehicles

Skills

Languages

- Java
- Python
- C/C++
- XML
- Assembly
- VHDL

Platforms/Tools

- Git
- ROS
- OpenCV
- Oracle VM
- Linux
- Eclipse
- Altera Board
- Dragon Board- HS612

Education

B.A.Sc. in Computer Engineering
Sept 2015 – Apr 2019 (Expected)

Activities

- Ottabotics (Robotics Team)
- Engineering Student Society
- Rock Climbing
- Canoeing & Camping
- Violinist

Work Experience

IT Developer Intern
TD Bank, Toronto | June 2017 – Sept. 2017

- Created and deployed automated testing scripts using Selenium and JUnit to notify a team of developers when errors exist within TeamSite
- Worked with, Java, JavaScript, XML, and Eclipse
- Applied Agile Methodologies

Projects

RoboBoat
ROS, Python, C++, XML | Jan. 2017 – Present

- Led the software team to build an ASV for 2018 competition
- Organized weekly meetings, and assign tasks using GitLab
- Worked with ROS to create the robot's communication system
- Developed the robot's control system by manipulating Lidar, USB Cam, and Hydrophone data
- Ran simulations on RVIZ and test robot to ensure software is implemented efficiently

Alarm System
Assembly, C | Sept. 2017 – Dec. 2017

- Created an alarm system on Dragon Board HC612
- Interface with LEDs, Speakers, 7 Segment Display, Keypad and Thermistor
- Manipulated Timers, Interrupts, and ATD Modules

Extracurricular Activities

Co-Founder, Member
Ottabotics | Sept. 2015 – Present

- Co-founder of the Robotics team of 100+ members
- Worked alongside professors within the University to provide resources for the team
- Established multiple sponsorship partnerships

Manager of Competitions
Engineering Student Society | May 2016 – April 2017

- Led the organizational team for the University of Ottawa Engineering Competition for 200 students
- Designed, tested and organized 7 problem-solving challenges