Ryan DuToit

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Education

University of Minnesota	**Minneapolis, MN**
Ph.D. Computer Science,	*2013–Present*
In Progress	
Drake University	**Des Moines, IA**
B.S. Computer Science, Math, Physics,	*2009–2013*
Summa Cum Laude	

Experience

University of Minnesota, Dept. of Computer Science and Engineering Minneapolis, MN
MARS Lab Research Assistant *2013–Present*

- Designed and developed a Vision aided Inertial Navigation System for a mobile platforms
- Implemented image vocabulary tree for loop closure detection during filtering.

Auburn University, Dept. of Computer Science and Engineering **Auburn, AL**
Undergraduate Researcher *Summer 2012*

- Developed an algorithm for UAV collision avoidance using RRT* and line of sight maximization.
- Utilized ROS for simulating multiple UAVs flying in a constrained space.

Drake University, Office of Information Technology **Des Moines, IA**
Programming Assistant *2010–2013*
Description line 1
Description line 2

Languages

C++: Master	*I am a C++ wizard*
MATLAB: Medicore	*Comment*
Java:	*Comment*
Objective-C:	

Development Platform Experience and Computer Skills

iOS: Developed an iPad and iPhone App	**IDEs & text editors**: Xcode, Eclipse, vim
Android: Familiar with NDK and SDK	**Office Suites**: Microsoft Office, Google Docs
Linux: Majority of my development has been in a Linux/Unix environment	**Other**: LaTeX, WordPress, HTML

References

Category 1
- Person 1
- Person 2
- Person 3

Category 2
Amongst others:
- Person 1, and
- Person 2

(more upon request)

All the rest & some more
That person, and **those** also (all available upon request).