Robert F.K. Martin

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Education
- Bachelor of Electrical Engineering
  GPA: 3.1 on 4.0 scale
  Graduated: June 1995
  University of Minnesota – Twin Cities

- Masters of Science in Computer and Information Science
  GPA: 3.4 on 4.0 scale
  Graduated: June 2003
  University of Minnesota – Twin Cities

Employment
- Software Consultant, KYOS Systems, December 2004-present
- Software Consultant, VideoNext Inc., April 2005-present
- Computer Vision Consultant, Banner Engineering, March 2001-July 2001
- Principle Software Engineer, Lockheed Martin -- Tactical Defense Systems, January 1997-January 2001
- Software Engineer, MicroDynamics Corporation, June 1996-January 1997

Academic Honors, Awards, and Scholarships
- 2002 ITS Institute Outstanding Student of the Year

Research Experience
- Research Assistant for Dr. Nikolaos Papanikolopoulos, Professor of Computer Science, Fall 2000-present

Publications
- S. Gupte, O. Masoud, R.F.K. Martin, N. Papanikolopoulos, "Detection and Classification of Vehicles", *IEEE Transactions on Intelligent Transportation Systems*, March 2002
- R.F.K. Martin, O. Masoud, N. Papanikolopoulos, "Using Intrinsic Images for Shadow Handling", *IEEE 5th International Conference on Intelligent Transportation Systems*, 2002
- N. Bird, S. Atev, N. Caramelli, R.F.K. Martin, "Real-Time Online Detection of Abandoned Objects in Public Areas", *IEEE International Conference on Robotics and Automation*, 2006
- F. Guo, R.F.K. Martin, A. Smith, P. Vogelwede, "Rapid Prototyping of Controllers", Submitted to *IEEE Transactions on Robotics*, 2006

Posters
- "Shadow Handling for Improved Vehicle Detection and Classification", Thirteenth Annual Center for Transportation Studies Transportation Research Conference

Volunteer Experience
- Delta Upsilon International Fraternity
- Big Brothers/Big Sisters of Minnesota
- Second Harvest Food Shelf
- Mentor, Pilot Knob Elementary School