

Murat Ambarkutuk

School Address

Mechanical Engineering Department
Virginia Polytechnic Institute and State University
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Permanent Address

840 Plantation Road #100
Blacksburg, VA 24060
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Research Interests

Signal Processing, Machine Vision, Computer Vision, Robotics.

Education

Master of Science, *Mechanical Engineering*

Virginia Polytechnic Institute and State University, Blacksburg, VA (2015 - ongoing)

Master of Science, *Mechatronics Engineering*

Kocaeli University, Kocaeli, TURKEY GPA 3.61 (2013 - on hiatus)

Bachelor of Science, *Mechatronics Engineering*

Kocaeli University, Kocaeli, TURKEY GPA 2.96 (2008 - 2013)

Thesis: Box Dimensioning System with Kinect Sensor

Advisor: Professor Hasan Ocak

Professional Experience

- *Embedded Software Engineer* 07/15/2013 - 11/30/2013
Robotik Maden R&D Automation LLC, Kocaeli, Turkey
<http://www.robomaden.com>
- *Intern Student Researcher*
Machine Vision Laboratory, Kocaeli University, Kocaeli, Turkey
<http://mekatronik.kocaeli.edu.tr>
- *Intern*
Robotik Maden R&D Automation LLC, Kocaeli, Turkey
<http://www.robomaden.com>
- *Intern*
Emek Boru Spirally Welded Steel Pipe Manufacturing, Ankara, Turkey
<http://www.emekboru.com.tr>

Computing Skills

Engineering Tools

ROS, Matlab, Simulink, Image Processing Toolbox, Matlab Fuzzy Logic Toolbox, Proteus, Solidworks

Development Tools

Python, C++, C, C#, Visual Basic, OpenCV, Matlab, HTML, PHP, MySQL, Javascript, Linux Environment, Embedded Programming, \LaTeX , Version Control

Publications

Memberships

American Psychological Association, Student Affiliate
Vice President of Activities, RPI Weight-training Club
Chairperson, Entertainment Committee, Utica College
Latin-American Student Union, Utica College
Member All-American Nautilus

Honors

Full tuition assistantship, Rensselaer Polytechnic Institute,
PSI CHI National Honor Society
PHI THETA KAPPA National Honor Society

Interests

Classical piano, Jazz, bodybuilding/aerobic exercise, cooking, dancing