

## Murat Ambarkutuk

### School Address

Mechanical Engineering Department  
Virginia Polytechnic Institute and State University  
Blacksburg, VA 24061  
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### Permanent Address

840 Plantation Road #100  
Blacksburg, VA 24060  
(302) 772-8419

### Research Interests

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Signal Processing, Machine Vision, Computer Vision, Robotics.

### Education

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**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

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- *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

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### 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, L<sup>A</sup>T<sub>E</sub>X, Version Control

## Publications

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References

### 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