**Kaan Goksal**

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**EDUCATION**

**Georgia Institute of Technology**, Atlanta, GA Aug 2015 – Present

* Candidate for Bachelor of Science in Computer Science (Expected Graduation May 2019)

**Robert College of Istanbul**, Istanbul, Turkey September 2010 – May 2015

* GPA 3.44/4.0

**EXPERIENCE**

**R&D Specialist, Hornet Robotics,** Istanbul, Turkey March 2015 – Present

*Hornet Robotics, located in Turkey, is an UAV Company that manufactures & develops drones for local government & companies.*

* Created custom drones using SolidWorks and manufactured them using carbon fiber and 3D printing.
* Piloted quadcopter drones, did range, endurance, waypoint navigation, landing precision tests on the field.
* Analyzed flight logs for vibration, compass failures, telemetry errors, and power efficiency and for crashes.

**Product Design Officer & Co-founder, Connecthing,** Istanbul, TurkeyApril 2014 – July 2015

*Connecthing is an Internet of Things startup founded by 4 students. The first product is a smart plug for smart grid applications.*

* Wire-framed and contributed to concept design of the products.
* Designed the 3D models of the products and prototyped using 3D Printers and Arduinos
* Pitched the company at Startup Istanbul, Turkcell Technology Summit and on local TV Channels.
* Approached by an Angel Investor for 1.6$M investment.

**Founder & Instructor, Robert College Makers Club** Istanbul, Turkey Sep 2014 – June 2015

* Taught kids how to use SolidWorks, Arduino and3D printing, and kids created their own RC bots.
* Introduced Maker Culture to Istanbul and Turkey by giving out speeches on TV, and newspapers.

**ACOMPLISHMENTS & AWARDS**

**Turkcell Technology Summit - Speaker,** Istanbul ,Turkey November 2014

* Gave a speech about Innovation, Makers Culture and pitched Connecthing to +5000 executives.

**SAP Innovation Forum 2014 - Speaker,** Istanbul/Turkey October 2014

* Introduced Connecthing’s IoT smart grid solution to SAP members in Turkey.

**TEDx Sabanci University, Blink of an Eye - Speaker,** Istanbul, Turkey June 2015

* Explained Makers Culture, progress of owning your education, innovation and Connecthing.

**Intel IoT Hackathon 2014 – 2nd Place,** Istanbul ,Turkey September 2014

* Made an ultrasonic radar that helps navigation of blind people with Intel Galileo.

**SKILLS**

**Concepts**: Quadcopter Design, 3D Printing FDM, Arduino & RaspberryPi Robotics, Building drones by integration

**Languages**: C#.NET, Arduino, Java, python

**Spoken Languages:** Turkish (Native), German (Basic), English (Fluent)

**Applications**: SolidWorks, Adobe Premier, Visual Studio, Adobe Illustrator, Eclipse, Putty, Teamviewer, Mission Planner, QGround Control, Inkscape, IMovie

**Operating Systems**: Windows, Linux (Debian), OS X (Basic)

**Equipment:** Oscilloscope, Digital Multimeter, Soldering Iron, FDM Printers, Laser CNC, Water Jet

**CIVIC AND CAMPUS INVOLVEMENT**

**Sivas Education Community Involvement Project,** Sivas, TurkeyAugust 2013

* Lectured 20 kids, in a village, on how to play the guitar and inspired them to play a musical instrument.
* Staged a little concert with the kids who learned how to play a musical instrument in a week.

**Bahcelievler Orphanage Community Involvement Project,** Istanbul September 20012 – May 2013

* Took orphans to sightseeing in the city once a week and helped with their homework and courses.