**EDUCATION**

**Carnegie Mellon University (CMU)**, Pittsburgh, PA

Bachelor of Science in Electrical and Computer Engineering

May 2016, GPA: 4.00/4.00

**Uskudar American Academy (UAA)**, Istanbul, Turkey

High School Diploma

June 2012, GPA: 4.56/5.00

**PROJECTS & EXPERIENCE**

**Mobile Robot Competition (Mobot)**, Programmer

Carnegie Mellon University—2012, 2013

* Lead programmer in a group of five
* Built and programmed a line-tracking robot for competition

**Peg Solitaire AI**, 15-122: Principles of Imperative Computation

Carnegie Mellon University—Fall 2012

* Implemented an optimized AI to solve peg solitaire game
* Ranked 1st in running time among 170 other students
* Beat the fastest implementation by a factor of 2 on all boards

**Polygon Game**, 15-110: Principles of Computing Term Project

Carnegie Mellon University—Summer 2011

* Developed an asteroids game in Python using polygons
* Implemented a polygon collision algorithm and game engine

**Submarine**, Summer Research Program

Koç University, Istanbul, Turkey—Summer 2010

* Designed and constructed a solar-powered underwater robot
* Competed against five other research teams for time

**LEADERSHIP**

**BEST Engineering Competition**, Team Leader

Yıldız Technical University, Istanbul, Turkey—Spring 2012

* Coordinated a team of four in a regional contraption contest
* Placed 2nd by constructing an accurate catapult

**Artificial Intelligence Club**, Co-Founder and President

Uskudar American Academy—2011, 2012

* Taught programming to be used for club projects
* Organized two events where university professors gave lectures

**CONTACT**

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|  | 412-580-7442 |

**SKILLS**

**Programming:**

C/C++, Python, Standard ML, Visual Basic, Assembly, LATEX

**Web Interface:**

HTML5, CSS3, SVG

**Software:**

Fireworks, Photoshop, Dreamweaver, Microsoft Office

**Platforms:**

Windows XP/Vista/7, Linux, Arduino

**Languages:**

Turkish, English

**COURSEWORK**

Great Theoretical Ideas in CS  
Functional Programming  
Imperative Computation  
Electrical and Computer Engineering

**HONORS**

**CMU Dean’s List**—Fall 2012

**Excellence in Mathematics**

UAA—2010, 2011, 2012

**National English Honor Society**

UAA—2012

**Canadian Mathematics Competition** UAA School Champion—2010, 2011