COSKU ACAY | SOFTWARE DEVELOPER

EDUCATION

CARNEGIE MELLON UNIVERSITY (CMU), Pittsburgh, PA
B.S. in Computer Science
  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

15-122, 15-150 COURSE STAFF, Teaching Assistant
Carnegie Mellon University—Summer 2013, Fall 2013
- Taught 15-122: Principles of Imperative Computation
- Teaching 15-150: Functional Programming
- Lead recitations and office hours, prepared course assignments

MOBILE ROBOT COMPETITION (MOBOT), Lead Programmer
Carnegie Mellon University—2012, 2013
- Placed 1st in line tracking competition to receive $1000
- Built and programmed a line-tracking robot with a team of 5

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

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

- www.coskuacay.com
- cacay@cmu.edu
- 412-580-7442

SKILLS

PROGRAMMING:
C/C++, Python, Standard ML, Coq, Assembly, L^AT_EX

PLATFORMS:
Mac OS, Linux, Windows, Arduino

LANGUAGES:
Turkish, English

COURSEWORK

15-381: Artificial Intelligence*

15-251: Great Theoretical Ideas in CS

15-150: Functional Programming

15-213: Intro to Computer Systems*

15-122: Imperative Computation

18-100: Electrical and Computer Eng.

Current

HONORS

CMU DEAN'S LIST
Fall 2012, Spring 2013

EXCELLENCE IN MATHEMATICS
UAA—2010, 2011, 2012

NATIONAL ENGLISH HONOR SOCIETY
UAA—2012

CANADIAN MATHEMATICS COMPETITION
UAA School Champion—2010, 2011