

Fatih E. Otay

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Objective	Seeking a summer internship in Robotics/Software Engineering	
Education	Bachelor of Science, Computer Science Minor in Robotics Rose-Hulman Institute of Technology, Terre Haute, IN <i>Related Courses:</i> ROS II, Computer Systems, Object-Oriented Software Development, Data Struct & Algorithm Analysis, Proofs	May 2023
	Hisar Schools, Turkey, Istanbul	June 2019
Skills	<ul style="list-style-type: none">- Programming: C/C++, Python, Java, ROS- 3D Design: Solid Works, Fusion 360- Rapid Prototyping: Nvidia Jetson, Arduino, Raspberry Pi- Manufacturing: CNC, Laser Cutter, Additive Manufacturing, Milling	
Experience	Pi Wars Turkey 2019 , Hisar-Schools, Istanbul <i>Main organizer, Teacher</i> <ul style="list-style-type: none">- Taught a class on introduction to robotics and OpenCV- Organized a competition event with classes on building a robot for 60 students	March 2019
	FIRST Robotics , <i>Hisar Schools, Istanbul</i> <i>Team Captain</i> <ul style="list-style-type: none">- Lead my team in high-stress situations, managed tight deadlines- Lead the mechanical and electrical design of the robot- Wrote the code for the autonomous section in Java	2017-19
	Coding Summit , <i>Hisar Schools, Istanbul</i> <i>Main organizer, Teacher</i> <ul style="list-style-type: none">- Organized the event & taught a class on building a Mini Sumo with Arduino	2017 - 2019
	PyconUK , <i>Cardiff City Hall</i> <i>Speaker and presenter</i> <ul style="list-style-type: none">- Presented my experiences in “Peer Learning in CS” to an audience of teachers.	September 2018
Projects	“Jonathan”: Autonomous Voice Controlled Mecanum Drive Robot <ul style="list-style-type: none">- Wrote a python driver and mecanum drive controller to control the motors- Interfaced with google Voice API to recognize voice commands- Working on migrating to ROS	2017 - present
	Joust Arcade Game Clone <ul style="list-style-type: none">- Programmed an arcade game joust in java- Utilized OOP concepts like polymorphism, inheritance, and interfaces	2020
Honors	FIRST Robotics San Francisco Regional Imagery Award FIRST Robotics Istanbul Regional Team Spirit Award FIRST Robotics Quebec Regional Entrepreneurship Award	2018 2019 2019
Activities & Leadership	Rose-Hulman Climbing Club, member Rose-Hulman Maker Club, member Uludag Snowboard and Ski Race Team, team captain Hisar Schools Maker Lab, member Hisar Schools Robotics Club, member Hisar Schools Entrepreneurship Club, member	2019-present 2019-present 2014-2018 2017-2019 2017-2019 2017-2018