Ryan R. GYSIN

CONTACT INFO

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EDUCATION

MAY 2017	Undergraduate Degree in COMPUTER ENGINEERING
	University of Michigan (U of M), Ann Arbor
	Relevant Classes: Machine Learning, Logic Design, Computer Organization, Signals and Systems, Data Structures and Algorithms
	GPA: 3.1/4.0

PROJECTS

SEPT 2015 Current	MICHIGAN AUTONOMOUS AERIAL VEHICLE (MAAV)
	President and Navigation Sub Team Lead
	Worked on quad-copter that placed 2nd in the 2015 International Aerial Robotics Competition (IARC)
	Developed computer vision code for detecting ground robots based on size and color
	Designed code that trained computer vision software to find which parameter most reduced noise while still finding all ground robots
	Managed code base using git

SEPT 2013 DEC 2014	MECHANICAL SYSTEM DESIGN
	Harnessed Rotational Momentum of bicycle to light a light bulb using chain linkages and magnetic induction
	Prioritized money vs. performance and budgeted time

WORK EXPERIENCE

JULY 2014 Current	U OF M PARKING AND TRANSPORTATION SERVICES, Ann Arbor
	Bus Driver
	Responsible for the transportation and well being on hundreds of students daily
	Learned to manage different personalities through communicating with passengers frustrated about delays

SEPT 2013 AUG 2014	U OF M MECHANICAL ENGINEERING DEPARTMENT, Ann Arbor
	Research Assistant to Prof. Eric Johnson
	Created GUI to model bubble cavitation in a viscoelastic media
	Gained understanding of Matlab scripting and GUI's

SKILLS

Language:	C++, C, LaTeX, Verilog, Mathematica
Tools:	Matlab, Git, OpenCV