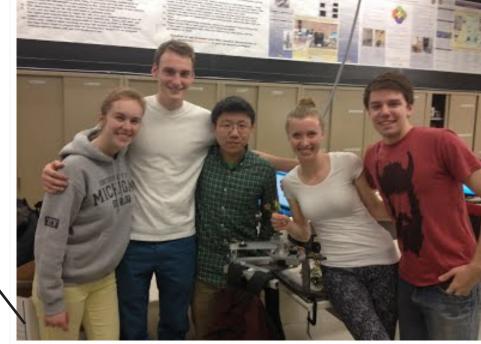
seelio Martin Harris

Seelio partners with several University of Michigan departments and colleges. Students display coursework, professional accomplishments, and personal reflections in a rich multimedia format. Instructors can create private groups for courses and use ePortfolios to assess student outcomes.

Seelio Keypath FOR EDUCATOR	S FOR STUDENTS	ABOUT	GALLERY	STORIES	
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ABOUT \rightarrow	WORKS				
At my best, I'm working on something totally new.	F				
SKILLS Solidworks PTC Creo Team Leadership Adobe Premiere MSC Adams					
	Mechanica	l Art: Giar	nt Rubik's	Cube	
 CAREER INTERESTS Product Design Mechanical Engineering Sustainable Design 	Michigan all make iconic tradition to	e a point to vis spin and enjo	sit the Endover by. North Camp	nni, and other visitors to the University Cube on Central Campus because it is us does not have an iconic landmark th s project team hopes to fill this void with	an nat
 > Bicycle Design > Furniture Design 	Collaborative Sp HonorsCapstone	pirit, Social and E	Environmental Re	sponsibility, Public Artwork, UmichEngin-	
GROUPS I'M IN MICHGAN ENGINEERING Honors Program Showcase / Members					T
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	ME 350: Backpack-holding Wheelchair Attachment	K ()
Per Comptone International Resolution Per Comptone According to difficult and control of Resolution Torbics of Resolution International Resolution 1 International Resolution International	Overview ME 350 is the second Design-oriented course in the Mechanical Engineering curriculum. It is structured such term students form 4-member teams and work together to design, build, and test a prototype device to complet specified task. When I completed ME 350, the project was to design an attachment for a wheelchair that would assist stude limited upper-body mobility by moving a backpack from behind the seat to an accessible position at the chair's	ete a ents with
Michigan Engineering Plus Competencies; Self Evaluation Image: Competencies Self Evaluation Image: Collaborative Spirit, Creativity and	 Key Tasks Conceive basic designs individually Merge ideas as a team to form one final design Divide and conquer the work of machining the device on schedule Design and implement control system Write 3 papers as a group throughout the process 	
	 Skills Gained/Lessons Learned Communicating effectively outside of group meetings: By constantly keeping in touch we were able to stay schedule even when our individual work loads got strenuous and group meeting time was hard to come by. Using limited time efficiently, both in and out of meetings: One especially limiting factor was time in the marked mechatronics lab. It was essential for us to be responsible for separate tasks in order to get everything do fact that we were able to trust one another, and that we were organized enough as a group so that no one was behind made the division of labor a viable and efficient option. Capitalizing on individuals' strengths: While I know that I have advanced skills in machining processes and troubleshooting areas, my teammates were not all the same. One is especially adept at organizing written work 	achine shop one. The as ever left
ME 350: Backpack-Holding Wheelchair Attachment Collaborative Spirit, Creativity and	scheduling work plans, while another is better at modeling and design work, and the fourth is very skilled in mechatronics and coding. So while we found that we were all capable of the necessary tasks and attentive er to fall behind, it was often advantageous to have one team member leading a segment of the work at which the most skilled.	nough not
	 Having FUN and how it can make everything better: My teammates and I became close friends throughout of this project, and we all found that it made the entire experience better in every aspect. By building relations each other we quickly came to trust each other's judgement, which made decision making a less stressful pro there was never any tension related to commitment to the team or work quality. We also found that because w had so much fun working together, our positive attitudes were reflected in our project work. 	ships with ocess, and
	Importance/Impact I am already cognizant of the fact that I am a very extroverted person, so it is unsurprising that collaboration is important to me. Nevertheless, I found this course project experience enlightening with respect to how the bene good collaboration can be manifested in the work at hand. I have always liked to work with other people, but I h been a part of such a fluid, seamless team that seemed (pun intended) to demonstrate all the characteristics of teamwork at once. After completing this project (and having been a part of less successful groups in the past) I have a much better understanding of what success in collaboration looks like, and what the steps to achieving success are. I also underestimated the value of forming personal relationships with teammates and group mem	efits of have never good feel that I that



Michigan Engineering Plus Competency	My Current Level of Proficiency		Why did I select this proficiency level?	What will I do to further		
	New Learner	Intermediate	Advanced	pronency rever.	develop in this area?	
Technical Knowledge			Х	There is always more to learn, but through my 4 years here at Michigan I have amassed a thorough background in the Technical aspects of my interests.	Continuing my studies through Master's Degree in Mechanical Engineering next year will deep my Technical learnings.	
Creativity & Innovation			Х	The Design sequence in Mechanical Engineering, along with my other experiences through my Rubik's Cube project, work experiences, and Bike building have given me a wide variety of innovative experience.	I will continually apply the thin I've learned to new projects. Being able to draw on previous experiences and ideas will improve future decision makin and allow for innovative solutio to arise more easily.	
Entrepreneurial Mindset		х		Managing a large project like my Honors Capstone (Giant Rubik's Cube) has given me the opportunity to explore many entrepreneurial principles.	I'm always happy to work on things that are new, so by engaging that desire as much a possible I will open new opportunities for entrepreneur learning.	
Intercultural Intelligence	X			Learning in the classroom is simply not enough to really gain an appreciation for other cultures, so I still feel I have a lot to learn in this area.	I will be traveling to Costa Rica May 2015 to conduct work wit local marine biologists, and live a homestay environment that believe will engage this learnin	
Collaborative Spirit			Х	Group work I've done for classes has given me the chance to experiment with different collaborative styles, while developing the HSAB has been an avenue for me to continually check in on the success of my endeavors in a group setting.	The most important thing I can do to really progress in this are is to combine the things I've learned through my separate experiences in order to have more effective future group interactions.	
Social & Environmental Responsibility		X		Completing coursework for the PiSE Program has given me background in both the social and environmental sides of Sustainability. My background was initially in environmental only, but the Architecture class I took made me really appreciate the importance of responsible social culture.	Bringing my learnings to life through the projects I take on i the future will be the best way develop my understanding of how to design responsibly in re situations.	
Effective Communication		х		I've learned a lot through all of my coursework as an undergrad, and gotten experience communicating in a variety of methods for a variety of different purposes.	As I spend more time in a work environment I will have more chances to see the impacts and results of my communication. This will allow me to better gau what I am doing right, and wha can do to be more effective.	

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Michigan Engineering Plus Competencies; Self ***** () Evaluation Academic Goals and Coursework: Major: Mechanical Engineering Focus Area: Sustainable Design ME 433: Advanced Energy Solutions CEE 265: Sustainable Engineering Principles Arch 357: Architecture, Sustainability, and the City Honors Capstone: · I am currently in the second term of work designing and building a large-scale functional Rubik's Cube as a piece of public artwork for the College of Engineering I hope to complete the project by May 2015 Minor: Mathematics Math 115 (Calculus I AP placement) Math 156: Applied Honors Calculus II Math 255: Applied Honors Calculus III Math 217: Linear Algebra Math 425: Introduction to Probability Math 316: Differential Equations Math 463: Mathematical Modeling in Biology Other: Program in Sustainable Engineering (PiSE) CEE 265: Sustainable Engineering Principles ME 433: Advanced Energy Solutions Arch 357: Architecture, Sustainability, and the City Future Goals & Plans: Education I have been accepted to the Mechanical Engineering SUGS (Sequential Undergraduate Graduate Study) so I plan to stay in Ann Arbor for a 5th year of school to complete a Master's Degree.