# MHUB

# **GENERAL INTRODUCTION TO MHUB**

# Creating the conditions for product innovation to thrive.

mHUB is galvanizing the manufacturing ecosystem of product designers, developers, entrepreneurs, engineers & manufacturers to drive collaborative product innovation. Through access to resources like labs, \$3M of equipment, classes, training, and mentorship, mHUB helps innovators turn ideas into prototypes, and prototypes into sustainable new businesses.

# mHUB Community Pillars

Member Community	Machines	Mentorship	Manufacturing Network	Money	Momentum
375 active members	\$3+ million worth of equipment	Uniquely engaged mentor network	250 manufacturing partners and suppliers	Access to capital opportunities	Business services
Diverse membership includes contractors, specialists, researchers, entrepreneurs & artists.	Entry level and advanced equipment for prototyping development, testing and first assembly run.	Industry, manufacturing, entrepreneurship and business experts supporting members with general advice and specific milestones.	Partnerships with major manufacturing associations: AIM, TMA, IMA, IMEC enabling members to scale beyond their first production run.	Developing partnerships to connect members with local and national accelerator programs and investment funds.	Services and education programs around accounting, legal, marketing, business development, etc. for members to build a business and take their product to market.



# mHUB Membership Tiers



MHUB

= Included in Membership
 = Paid Amenity

AMENITIES	OFFICES	RESERVED DESK	CO-WORKING	SHOP ONLY FULL-TIME	SHOP ONLY PART-TIME	DAY PASS
Desk Space	*	*	*			*
mHUB Events	*	*	*	**	*	\$
Prototyping Shop	*	*	*	*	*	
Classes and Workshops	**/\$	**/\$	**/\$	*/\$	**/\$	\$
Reserved Conference Room	*	*	*	\$	\$	\$
Mentorship	*	**	*			
Manufacturer and Supplier Connections	*	*	*			
Parking	\$	\$	\$	\$		
Design and Testing Software	**	*	**	**	*	*
Access to Storage	\$	\$	\$	\$	\$	
Loading Dock	<b>→</b>	**	**	*	*	
		Office / In	Maker S	Space		



# **mHUB** Member Resources



Membership@mhubchicago.com

# mHUB Member Responsibilities

### **Visitors**

- Visitors must check in at the front desk
  - Every Visitor, Every Time
- Members are responsible
- Unlimited visitors
  - 5 unique visits per month
- No Shop Access

### Member Billing

- Membership and Storage are billed on the 1st of the month but are pro-rated to the day that you join.
- 15 Business Day Cancellation Policy. No pro-rating at the end of membership

### **Business Address**

- Mail assorted alphabetically by company name front desk
- Packages are stored in package closet in reserved desk area

**Storage** 

 Storage options starting at \$5 to \$100/month



# mHUB facility

# **Shop Hours**

- Monday Friday 8 AM to 10 PM
- Weekends 10 AM 8 PM
  - Shop Staff Saturday 12pm 8pm
- Additional access
  - Office 24/7 access
  - Reserved Desk access at 6:30 AM
    - 24/7 Access to desk possible after 3 months
  - Co-Working access at 7:30 AM



# mHUB Parking



- Visitor spaces:
  - 9 spots
  - No member parking

- 21 Reserved Spaces:
  - M-F 8 AM-5:30 PM
- Parking waitlist
  - Sign-up under Resources



# mHUB Member Portal

### www.MHUBchicago.com



# mHUB Member Portal

	Jacob Ringer	Announcements
Search <b>Q</b>	My Bookings:	Member Only Events
Home	Wintrust Conference Room 9:30 AM - 10:00 AM February 05, 2018	
Account Menu	Office Hours with Arrow Electronics 11:00 AM - 11:30 AM February 08, 2018	
mHUB Community	Conference Room 1 (Front Conference Room) 5:30 PM - 9:00 PM February 27, 2018	Members' Happy Hour     mHUB Fundamentals: Business: Legal     mHUB Fundamentals: Finance:       Friday, February 2 at 4:00 PM     Requirements for Small Businesses     Introduction to Business Accounting
Membership •	SEE ALL	Join us in mHUB's game room to end off the week with some beers and conversation with members Join us to learn about the federal, state, and local legal obligations of small businesses,
Reservations •		VIEW EVENT VIEW EVENT VIEW EVENT
Prototyping Shop •		Public Events
Gig Board		
Classes & Office Hours		FROME WORKSHOP
mHUB Mentorship		
Resources •		IEI Technology x Max Tech. Sales - Industrial IoT & Vertical Markets Solutions Seminar     NimbeLink Presents: From the Workshop Roadshow: Chicago     NextWaveSTEM Presents Robotics: Parent/Child Workshop       Tuesday, February 13 at 9:00 AM     Saturday, February 17 at 4:00 PM
Support •	www.MHUBchicago.com	Friday, February 2 at 3:30 PM     The World's Leading Provider Of Cellular Technology is     Discover the future of technology with NextWaveSTEM's       IEI Integration Corp. x Max Tech. Sales with help from Arrow Technology presents a seminar on     bringing back our workshop. We've     Discover the future of technology with NextWaveSTEM's
Logout		VIEW EVENT VIEW EVENT VIEW EVENT



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mHUB Community



Andrew DiPiazza Trada Corporation

ЕМАІL andrewdipiazza@gmail.com



Shonali Ditz Science And Entrepreneurship Exchange



Taylor Dunn Make Luft

еман taylor@makeluft.com



Terez Edmonds Edmonds Energy Solutions EMAIL Tedmonds@edmonds.energy



Zach Ellenberger Mercury Business Services EMAIL zache@shipmercury.com



Maxwell Emcays

EMAIL emcays@gmail.com



Tim Fates DotUP

еман tfates@saic.edu



Scott Foster Hallsten Innovations EMAIL scott.foster@hallsteninnovations.com



Adam Frederico Lovia

EMAIL adamfrederico@chicagobooth.edu





# mHUB Community





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Haven Allen Chief Executive Officer and Co-founder

Melissa Lederer

Marketing Advisor

Building Engineer

Director of Innovation Services and Co-Founder

Bill Fienup

Cynthia Macias

Shop Manager

Membership Relations Specialist

Tammye Brownlee

Quinn Campbell Prototyping Technician

mHUB Community

Peggy Flavin Member Relations Coordinator

Angie Flores Office Assistant and Guest Relations Specialist Sally Haertl

Jamie Gottlieb

Marketing Associate

Jacob Ringer

Senior Marketing Manager



Manas Mehandru Chief Operating Officer

Adam Milich

Building/Facilities Manager



David Mirkhaef

Cheyenne Raduha

Bria Smith





Megan Williams

MHUB

Logout



Home

nt Menu	Register Your Business		Job Posting			
Community	0					
and in the second	The information you supply here will be availab	ble on your public profile.	*Job Title		Job Post link	
pership 🔹	*Company Name	Company Website				
ister for Member		5				
npany Directory			* Company Email Address	Company Toll Free Number		
ajob	*Company Email Address	Company Phone Number Company Toll Free Number				
amharchio						
lembership			Additional Questions			
fy or Cancel bership Request	Additional Questions		Location	Position Duration		
ibersnip Request	Contractor Rates	Industry Area		Full Time		
Billing		IoT/Connected Devices		O Part Time		
leceipts		Energy Tech		Internship		
		Robotics				
Bookings		Sensors				
Profile		The Arts				
		Unmanned Vehicles	Ready To Create Your Profile		REGISTER BUSINESS	
vations •		Augmented Reality	Please note your business will remain in pending status	s until approved by an admin.		
yping Shop 🕨		Bio/Health Tech				
ard 🕨		Toys				
s & Office Hours 🕨		Product Development Consulting				
		Manufacturing				
Mentorship 🕨		Transportation				
rces 🕨		Business Services				
		Consumer				
t 🕨		Other				$\checkmark$
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mHUB Membership

Michael and Standards	* How likely is it that you would recommend mHUB company to a friend or colleague?
Membership Cancellation Or Medification Dequest	1. Not Likely
Modification Request out	2. Not Sure
Please fill out the information below to officially begin the process of canceling or	3. Maybe
pausing your membership at mHUB.  *Email	O 4. Likely
jacob@mhubchicago.com	S. Yes Of Course
Jucobiennitochicago.com	Did mHUB meet your expectations?
*What day would you like to end your membership?	
Please note that mHUB membership can only be end at the end of a billing cycle and that 30 day notice is required.	
*What membership would you like to end?	Where can mHUB improve?
Yours	
Member of my Team	
A Service (Parking or Storage)	
Which Team Member or Service?	What is the reason you're ending your membership at mHUB?
Please leave blank if not applicable.	
*How would you rate mHUB's sense of community?	
1 - Not Satisfied	* Would you like to be contacted about re-activing your membership in the
2 - Could Be Better	future?
🔾 з-ок	Yes
4 - Satisfied	No
5 - Extremely Satisfied	SUBMIT YOUR RESPONSES
Select a rating where 1 is the lowest and 5 is the highest score.	





# mHUB Membership

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Modify or Cancel Membership Request



### Your Subscription

# You Are Currently Subscribed To: Co-Working

You Were Last Charged Monday, January 1, 2018

You were last charged \$300.00 on Monday, January 1, 2018 based on your monthly renewal.

### VIEW RECEIPTS

No Charge for ACH

### Next Charge

Thursday, February 1, 2018

As you have signed up for recurring billing, you will be charged \$300.00 on Thursday, February 1, 2018 based on your monthly renewal.

We will charge your amex ending in 3002 expiring December 2022. CHANGE PAYMENT METHOD

Please note a credit card fee of 3.00 % will be applied to your payment.

UPDATE PAYMENT METHOD





# **mHUB** Conference Rooms



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### Associate Memberships

- Prototyping Shop
- Classes & Office Hours
- mHUB Mentorship
- Resources

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# Book

Each block 30 min

### Limitation

- Each room once a day
- Max 2 hours

## **Shared Resource**

- Need more time? Ask
- Don't room hop
  - Rent a Office



### Make Selection:



### Confirm Your Selection: February 01 2018 Conference Room 1 (Front Conference Room) 11:30 AM - 12:30 PM

Please confirm the date, time and item you are booking is accurate. On the next step, you will be taken to confirm your reservation.





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# mHUB Associate Membership

Search c	2	<b>B</b> beyond	CHAMBERLAIN GROUP	crucial detail	Fisher Unitech	
ome					Make A Reservation We've prefilled your information. Not Jacob? 109	<u>g out</u>
count Menu		RESERVE	RESERVE	RESERVE		
HUB Community	•	GE VENTURES		Inventables	Select A Date	
embership	•	KRUECK = SEXTON	U CONTRACTOR		SUNDAY MARCH 2018MONDAY MARCH 	
servations	•			reserve molex®	10 spots     14 spots     14 spots     14 spots     14 spots     14 spots       available     available     available     available     available     available	
mHUB Rooms Associate Memberships		RESERVE		RESERVE		
ototyping Shop	•	RESERVE		SHEEHAN NAGLE HARTRAY ARCHITECTS	Make Selection:           Reserving         8:00 AM         10:00 AM         12:00 PM         4:00 PM         6:00 PM         8:00 PM         10:00 PM	
asses & Office Hours	•	Signature Bank	Studio Gang		Fisher Unitech access card 1       Fisher Unitech access card 2	
HUB Mentorship	•		UNITED CONVEYOR	Ups		
sources	•	RESERVE	RESERVE	RESERVE	Confirm Your Selection: March 22 2018 Fisher Unitech Access Card 1 8:00 AM – 6:00 PM	
pport	•	Universities	<b>\$</b>		Please confirm the date, time and item you are booking is accurate. On the next step, you will be taken to confirm your reservation.	
gout		Northwestern University	ILLINOIS INSTITUTE OF TECHNOLOGY	RESERVE		



# mHUB Prototyping Shop

	nber 2017 🗡					
Menu	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ommunity 🕨	30	31	Nov 1	2	3	4
	8:30a John Welin	8:30a John Welin	8:30a John Welin	8:30a John Welin	1p John Welin	10a Staff 1
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tions						
	6	7	8	9	10	11
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	13	14	15	16	17	18
nent	8:30a John Welin	8:30a John Welin	8:30a John Welin	8:30a John Welin	1p John Welin	
ne Reservations						
ine Reservations						
Jobshop RFQ						
	20	21	22	23	24	25
'd ▶	8:30a John Welin	8:30a John Welin	8:30a John Welin	mHUB Closed for Holiday 8:30a John Welin	1p John Welin	
& Office Hours 🔸						
lentorship 🕨						
	27 8:30a John Welin	28	29 8:30a John Welin	30	Dec 1	2
es 🕨	8:30a John Welln	8:30a John Welin	8:30a Jonn Welln	8:30a John Welin	1p John Welin	
t 🔸						



# mHUB Prototyping Shop



Equipment

Gig Board

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Machine Reservations

mHub Jobshop RFQ

Classes & Office Hours

mHUB Mentorship

<u>Shop Training:</u> Basic Shop Safety required before any other training can be completed

### 1pm "Intro" Schedule

- Monday
  - Laser Cutting
- Tuesday
  - Wood Shop
  - Tormach (10.30)
- Wednesday
  - 3D Printing
- Thursday
  - ShopBot

### Additional \$\$ class



mHUB Metal Fabrication Class Provided by Arc Academy

### 1. Select A Date

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# mHUB Prototyping Shop





Logout







# mHUB Prototyping Shop

Home	MHub Jobshop We've prefilled your information Not Jacob? In
Account Menu	RFQ Out
mHUB Community	This form is to get a quote for having mHub staff fabricate/build/cnc your design or prototype. Please allow 1-2 days for a response. This is not a guarantee of acceptance of work.
Membership 🕨	Limitations of work: CNC: Tolerances of .005", No Lathe Work (coming soon), no tooling under 1/8"
Reservations •	Laser Cutting: No larger then 4'x4', no metal cutting (engraving with coating removal) Vacuum Forming: No larger then 22'x22'x18" Finishing: No painting, no polishing
Prototyping Shop 🔹	* Project Name
Shop Schedule	=
Shop Training	In as much detail as possible, describe what work you need done/your project/prototype
Equipment	
Machine Reservations	
mHub Jobshop RFQ	Expected Process
Gig Board 🕨	Lasercutter
	Vacuum Forming
Classes & Office Hours	SLS CADD
mHUB Mentorship	Design
	Injection Molding
Resources •	Welding
Support •	General Wood
	Electronics
Logout	Other





# mHUB Resources

Home		Gig	Board				Gig Board We've prefilled your information. Not Jacob? <u>log out</u>
Account Menu		0					As a member, feel free to post available gigs for other members to bid on, on the gig board. Please provide as much detail as possible. Tell Them About The Gig Posting:
mHUB Community	•	POSTED ON	CATEGORY	COMPANY	GIG POSTING	OPTIONS	Select the Category of Gig
Membership	•	1/26/2018	General Tech/Engineering	mHUB	Wall Art: Chicago Flag	VIEW	General Software Administrative Business Tech/Engineering
Reservations	•	1/25/2018	General Tech/Engineering	mHUB	Connect the 4 tvs in the food room area as 1 large screen	VIEW	Finance     Operations     Other     Gig Posting Title
Prototyping Shop	•						Enter a brief description of the job
Gig Board	-						
View Gig Board							Provide more details about the job posting
Post a Gig							Compensation Duration           Location         Duration           Select,         Select,
Classes & Office Hou	rs 🕨						Tell people how they will be compensated Tell Them How They Can Get Ahold Of You:
mHUB Mentorship	•						*Contact Contact Phone Contact Email
Resources	•						Who can they call         Who can they email about this job posting?           Who should they about this job posting?         who can they email about this job posting?
Support	•						Company Name MHUB
Logout							POST TO GIG BOARD











# mHUB Mentorship



# mHUB Mentorship



Bill is a mechanical engineer, product developer and serial entrepreneur who has designed toys for Hasbro and researched fusion energy for Los Alamos National Laboratory. Bill holds both Bachelor's and Master's degrees in Mechanical Engineering from the Massachusetts Institute of Technology.

MHUB

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Search...

# mHUB Resources



# Let us Amplify Your News

### Send your news to Jamie Gottlieb, mHUB Marketing Team at Jamie@mhubchicago.com

### If you tell us about your press, we can:

- Include it in our community and member newsletters
- Share it through our social media channels
- Put you on our radar for companies to profile on our blog or video series
- Put you forward in press opportunities where reporters want to talk to members

### **Tips and Tricks for Social:**

- Follow and like **@mHUBChicago** on Facebook, Twitter, LinkedIn and Instagram. We will do the same for you!
- Make sure you share quality information that we can re-share.
- Always tag **@mHUBChicago** in your social posts. This is a great way to share your posts with the broadest community possible.



# mHUB Welcomes YOU

• Please sign your member contract



- Payment collected today:
  - Pro-rated charge for remainder of the month
  - Next month's payment (if less then 15 business day left in month)

(Note 3% credit card processing fee)

- mHUB has a 15 business day cancellation policy
- Membership Questions? <u>Membership@mhubchicago.com</u>

