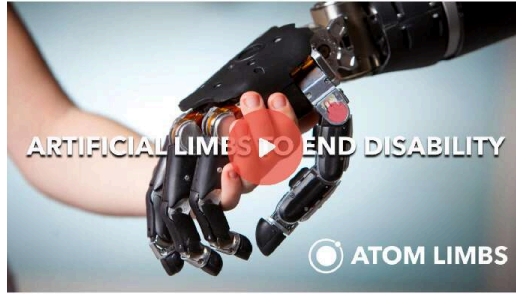


🔥 Revolutionary prosthetics to end physical disability

[PITCH VIDEO](#) [INVESTOR PANEL](#)



atomlimbs.com San Francisco CA Technology Hardware Software Engineering Life Science

LEAD INVESTOR

Furqan Ryzhan


Furqan's investment is about the team and Atom Limbs is no different. Tyler has put together an all star crew to tackle one of the most pressing problems for humans: How do we give people who have lost a limb a new limb. It's incredible to see people tackle these complex issues, come up with creative solutions and move mountains to make it happen. It takes a village to build any successful startup, especially one focused on creating an artificial human arm. Tyler is well equipped to make this company successful.

Invested \$100,000 this round & \$50,000 previously


Highlights


- 1 🏆 CEO sold last company Bebo to Amazon & has scaled companies to 1 billion users
- 2 🌟 World-class leadership team from Apple, Tesla, Nike, Intel & IDEO
- 3 📊 Team's track record includes bringing the first iPhone, iMac, and Tesla Model S to market
- 3 📊 Team's track record includes bringing the first iPhone, iMac, and Tesla Model S to market
- 4 ✓ World's first mind-controlled arm restores basic sense of touch AND individual finger control
- 5 🏆 Competitive moat secured by \$120 million R&D grant from DARPA and US Dept. of Defense
- 6 🚀 Positioned to disrupt the fast-growing \$800B physical disability market
- 7 🏆 Backed by venture capital firm Village Global whose LPs include Bill Gates and Jeff Bezos
- 8 📰 New York Times, Fast Company, 60 Minutes, PBS, & CNN Features


Our Team


- 


Tyler Hayes Atom Limbs Co-Founder & CEO
 Serial entrepreneur, Bebo Co-Founder & COO (acquired by Amazon), Employee #10 at YC-backed Disqus (acquired by Zeta). Scaled companies from 0-100 employees and to 1 billion users. Funded by top VCs Village Global, MXB, and Techstars. Psychology BA.


Atom is my 4th company and hopefully my last company — my life mission is to end disability. After selling Bebo to Amazon, I wanted to return to big meaningful problems impactful to all of humanity. "No one" should have to live with a permanent injury or disability. We have reusable rockets and electric cars... it's time for artificial limbs.
- 


Doug Satzger Co-Founder & Chief Design Officer
 Iconic product creator, Industrial Design Executive with history at Apple, Intel, Palm & IDEO. Led teams responsible for the first iMac & iPhone under CEO Steve Jobs, and managed entire iPod, iMac & iPad portfolio. Named on 500+ patents. Design BA.
- 


Eric Monsef Co-Founder & Chief Technology Officer
 Senior tech pioneer previously with Apple, HP & Glydways. Created Apple's Core Hardware Team of 180 Deep Engineers, managed \$250M budget & led architecture / design on the original MacBook & 11 MacBook Pros. Named on 40+ patents. Engineering BS, MS.
- 


Erik Shaholan Chief Architect
 Veteran technologist with world-class track record at Apple, Tesla, Seismic & Immersion. Founder of 2 medical device companies. 35+ years of automotive, medical, aerospace & robotics product / R&D experience. Named on 120+ patents. Engineering BS.
- 

Kar-Han Tan Chief Machine Learning Scientist
 Seasoned Artificial Intelligence, Robotics & Computer Vision expert. Former VP of Engineering at NovuMind. Managed R&D at Singtel & Epson, Head of Advanced Development at HP. Named on 60+ patents and 5000+ citations. Computer Science BS, MS, & PhD.
- 

Greg Springer Chief Scientist
 Engineering exec frequently sought out to solve the hardest problems. Previously with Apple, Google, & Glydways. At Apple, Director of HW Engineering - Core Architecture, and led Thunderbolt standard development. Named on 50+ patents. Engineering BS.
- 

Albert Chi, MD, MSE, FACS Chief Clinical Officer
 Associate Professor of Surgery at Oregon Health Science University. Former Medical Director at Johns Hopkins Targeted Muscle Reinnervation Program & Applied Physics Lab R&D. Lieutenant Commander in US Navy Reserve. Biomedical Engineering BS, MS & MD.
- 

Meg Grant Smart Wearables Lead
 Wearable technology engineer. Textile-embedded product experience with Google, Honda & Seismic. Specialties include soft circuit techniques, AR / VR motion & apparel-based exo-suits. Network Resident at Autodesk Technology Center. Design BA.
- 

Steven Savas Lead Mechanical Engineer
 Product development pro with go-to-market history for 30+ biomedical, wearables & consumer electronics products. Conception to testing to production experience for 20+ companies including Intel & APDM Wearable Technologies. Mechanical Engineering BS.
- 

Ringit Gurlich Soft Goods Lead
 Senior soft goods development leader. Robotic & soft goods product experience with Nike.



Why Atom Limbs?



Atom Limbs is making the world's first artificial human arm. We're giving 50M+ limb-different people their limbs back, and revolutionizing the \$800B+ physical disability industry.

**THE PROSTHETICS
INDUSTRY IS BROKEN**

**LIFETIME MEDICAL CARE
COSTS FOR AN AMPUTEE...**

\$500,000+



PROSTHETICS ARE
*PAINFUL &
POORLY-DESIGNED.*

AMPUTEES *CHOOSE*
NOT TO USE THEM.

Despite modern advancements in medicine and tech, many artificial limbs available today still resemble the prosthetics given to amputees in the 1890s... Meant to give the appearance of a functioning limb, they're relatively useless to the wearer. Even the most advanced artificial limbs on the market are bulky and powered by the body, severely limiting their potential.

Less than 1 in 5 arm amputees wear a prosthetic — prosthetics simply are not good enough.

"Prosthetic arm technology is still
so limited that I become
more disabled when I wear one."

Britt H. Young
Input Magazine
March 4, 2021

**WE MAKE REVOLUTIONARY
PROSTHETICS TO END DISABILITY**



**OUR ADVANTAGE IS IN
\$120M OF R&D**

Atom's technology is built on an exclusive partnership with Johns Hopkins to consumerize their Modular Prosthetic Limb system, which received \$100M+ of R&D funding from DARPA.

What started as a grant from the Defense Advanced Research Projects Agency for Johns Hopkins University's Applied Physics Laboratory has turned into a phenomenon that has the prosthetics world buzzing.

Tested by over 20 disabled individuals with groundbreaking results, the prototype was already changing the research world. Now Atom Limbs is massively improving that prototype — bringing costs down significantly and massively increasing value — and taking it to market. Finally providing amputees with a solution that provides real value.



OUR TEAM'S GLOBAL TRACK RECORD IS NO SECRET

We've brought iconic products people LOVE to market

including the first:



Tyler Hayes
CEO
15+ years starting & leading companies at Bebo (COO, acq. Amazon), Prime (CEO), and Disqus (acq. Zeta).



Doug Satzger
CPO
30+ years designing iconic products and leading Industrial Design at Apple, IDEO, Intel, and Palm.



Eric Monsef
CTO
30+ years leading engineering groups at Apple, HP, Glydways, and Trimble. 40+ patents.



Erik Shahoian
Chief Architect
20+ years leading engineering at Apple, Intel, and Seismic. 120+ patents.



Kar Han Tan Ph.D.
Chief of AI
20+ years leading R&D, Computer Vision, Advanced Development at Singtel, HP, Epson. 60 patents, 8,000 citations.



Greg Springer
Chief Scientist
25+ years as Director and VP Engineering at Apple, Google, and Immersion.



Meg Grant
Wearables Lead
10+ years leading smart wearables & textiles at Google, Honda, and Seismic.



Ringit Gürlüch
Soft Goods Lead
20+ years leading soft goods development at Nike, Samsung, IDEO, and Shi.



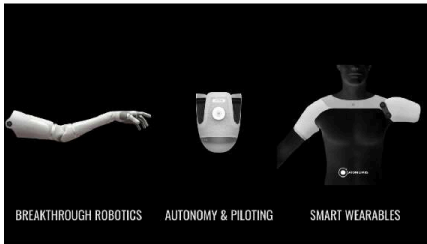
Albert Chi, MD, MSe, FACS
Chief Clinician
Medical Director at OHSU. Commander in US Navy Reserves.

We are named on 1,000+ patents & we've created \$100B+ in value.



PROPRIETARY PATENTS & IP ENABLE OUR BREAKTHROUGHS...





WE'VE ITERATED 50+ PROTOTYPES THIS YEAR

UPDATE #1:
SIGNIFICANTLY UPGRADED CONTROL SYSTEM

+ REALTIME CONTROL	+ PROPORTIONAL CONTROL	+ SIMULTANEOUS CONTROL	+ CONTEXT Environment User position (standing) User motion (walking/running) Power management Sequencing & history
--------------------	------------------------	------------------------	---

UPDATE #2:
SIGNIFICANTLY REDUCED SIZE & WEIGHT

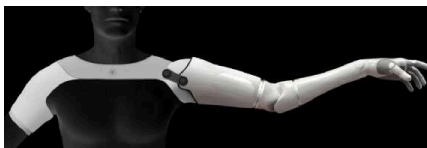
95 TH PERCENTILE MALE → 40 TH PERCENTILE FEMALE	THREE 1-DOF MOTOR WRIST → ONE 3-DOF MOTOR WRIST	CONSOLIDATED CORE ELECTRONICS
---	---	-------------------------------

UPDATE #3:
WE INVENTED MORE WORLD-FIRSTS

<p>Why?</p> <p>So we could upgrade our Tendon fingers to Z-motor. This enables more fine motor control.</p>	<p>ULTRA SMALL FORM FACTOR ACTUATOR ARCHITECTURE</p> <p>+ WITH BUILT-IN ENCODING</p>	<p>WORLD'S FIRST APPAREL-BASED ATTACHMENT INTERFACE</p>	<p>Why?</p> <p>Other prosthetics cause major material issues. This correctly distributes weight while enabling near full range of motion.</p>
---	--	---	---

ATOM LIMBS IS COMING IN 2023

Atom Touch will be neurally & non-invasively mind-controlled, offer near-full range of human motion, and restore a basic sense of touch, all worn with a revolutionary apparel attachment system.



Breakthrough miniaturized motor technology	Revolutionary human attachment interface	50% lighter than other prosthetics	All day battery & use
Haptics-driven basic sense of touch	Intuitive, non-invasive neural mind control	Personal Concierge & Health Coach	Designed for real life, not just tasks

"Amazing! But how does it work?"

Great question! One we get all the time. It's simpler than you might think...

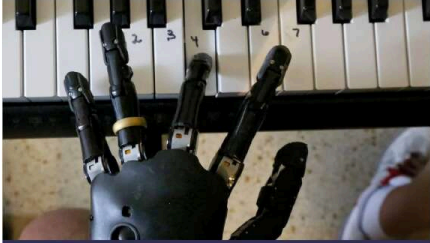
Movement occurs when a person's brain sends signals down their spinal cord and into nerves in the corresponding muscle. After limb loss, the nerves are still intact but don't have anything tangible to control. Using a state-of-the-art bracelet worn around the residual limb to capture and read signals from the wearer's healthy residual muscles, Atom Touch moves as intuitively as a natural limb—and even has a basic sense of touch...

Our never-before-shown prototype developments include an innovative "apparel-like" attachment system, cuff, and socket, all for the most natural look and feel on the market...

NOW THE IMPOSSIBLE IS POSSIBLE

This revolutionary, mind-controlled bionic arm is able to mimic the intuitive movements of a natural limb. Individually dexterous fingers empower natural movement, and a simple thought is enough to make Atom Touch grasp, grip, push, pull, curl, wave, write, or type...

Atom Touch is the only prosthetic hand in the world that allows individual finger movement.



Piano fingering by a beta user, never before possible.

The world has never seen a mind-controlled prosthetic limb before, because one has never been successfully created—until now. "Competitors" don't even come close to matching this unrivaled tech.

OUR WAITLIST IS GROWING 80% WEEKLY



PEOPLE CAN'T GET ENOUGH

[Redacted]

I'm blown away. I've been armless for over 20 years and this is the first time I see something I'd actually wear.

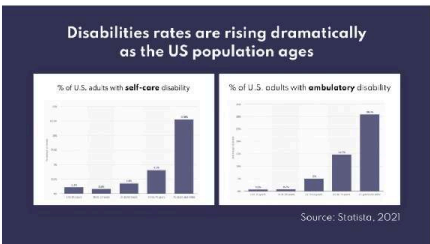
Tyler Hayes I so badly want that! Looking forward to be able to hold my new grandson ❤️

Like Reply 2h

Demand for Atom grows every day

80% of waitlistees are "extremely interested"

DEMAND IS GROWING FAST



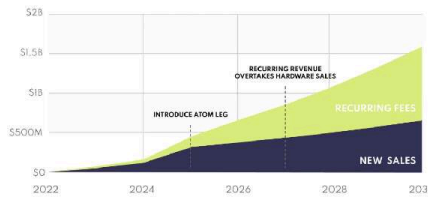
PHYSICAL DISABILITY IS AN \$800B US MARKET



WE HAVE A CLEAR & DIRECT PATH TO COMMERCIALIZATION

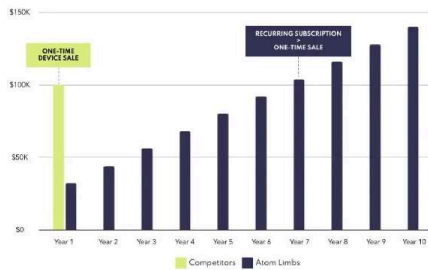


WE'RE BRINGING SUBSCRIPTIONS TO A DINOSAUR INDUSTRY



Note: forward-looking financial projections cannot be guaranteed.

CUSTOMER JOURNEY FOR THE DIRECT-TO-CONSUMER ERA



Current prosthetic competitors sell only one device to a customer in their lifetime.

Not only that, they only sell those devices to 1 in 5 arm amputees – most arm amputees simply don't use a prosthetic because they're too expensive and can't do very much.

By making prosthetics dramatically more affordable, we're significantly expanding the market to the other 4/5 of arm amputees who couldn't afford a prosthetic previously.

And by making such an advanced artificial arm, it's not only affordable, but desirable... ultimately creating an opportunity for ongoing relationship with our customers.

Why this pricing model?

Atom's planned subscription plan (1) reduces upfront costs by 75% in Year 1 and (2) covers ongoing upgrades, repairs and replacements — creating recurring value for our customers.

WE'RE POISED FOR RAPID GROWTH

The world is taking notice. From being featured on CBS's 60 Minutes to the New York Times, Forbes, PBS NewsHour, Fast Company, Axios, freethink, Motherboard, and more... Atom Limbs is making a BIG impression in tech, medical, and mainstream circles.

"Like something out of space come to Earth."
CNN

"Amazingly human. A breakthrough."
60 Minutes

"The most advanced robotic arm in the world."
Quartz

The New York Times FAST COMPANY

Forbes PBS NEWS HOUR QUARTZ

CNN AXIOS 60 MINUTES

Nasdaq Freethink* MOTHERBOARD

We're ending physical disability.

Join us.

Downloads

[Atom Limbs - Investor Presentation.pdf](#)