



**PSYKINETIC**

**PRESS KIT**



## Welcome to the Future of Inclusive Technology

Psykinetic is a game-changing social business creating futuristic, inclusive and empowering technologies to improve independence and quality of life for people with disabilities. Founded in Sydney, Australia in 2014 by renowned biomedical engineer Dr Jordan Nguyen, Psykinetic has built an extensive portfolio of assistive and inclusive technologies for the disability sector.

With the global launch of FRONTIER communication software, ATMOSPHERE music creation, and the world's first eye-controlled software marketplace, StarGaze; Psykinetic has laid the foundation with the aim to create a more inclusive global society, including for the 1.4 million Australians (1 in 18) living with severe or profound disability.

Psykinetic, from 'psyche' and 'kinetic', ignites the idea of putting the 'mind into action', centered around five core values:

- Empowerment
- Inclusion
- Ambition
- Imagination
- Excitement

To date, Dr Jordan Nguyen and Psykinetic have created exciting innovations and proof-of-concepts, from thought-controlled smart wheelchairs to eye-controlled communicators, games, environment control systems, and even vehicles.

Already starting on a number of projects, Psykinetic aims to deepen development into growing fields including Virtual Reality, Augmented Reality, Artificial Intelligence, biomedical technologies, social robotics, brain-computer interfaces and much more.

Millions of Australians know Dr Jordan Nguyen as a dynamic and thoughtful biomedical engineer, TV documentary presenter and spokesperson for the positive intersections between technology and humanity.



**PSYKINETIC**

Psykinetic  
Company background

At 20 years old, a life-changing accident led him to meet a number of his current friends who inspired a strong belief in human potential.

Since then he has worked with passion and resolve to create inclusive technologies aimed at improving quality of life and independence for people with disability, whilst simultaneously exploring the infinite potential of technology and what it might mean for all humans and the future of our world.

Dr Nguyen believes that the relationship between humanity and technology is increasingly evolving towards becoming more integrated, leading us to a future where anything is possible.

Psykinetic and its founder have been featured extensively in the media including ABC, Discovery Channel, SBS, Nine Network, Seven Network, The Sydney Morning Herald, and News.com.au.

See also: <http://psykinetic.com/>



PSYKINETIC

Psykinetic biographies  
Founder Dr Jordan Nguyen



Dr Jordan Nguyen  
Founder & CEO, Psykinetic

Dr Jordan Nguyen is on a mission to improve the lives of as many people as possible. By reimagining and re-defining the boundaries between human and technological evolution, Jordan is at the forefront of bringing about positive, sustainable and life-altering change.

An internationally renowned engineer for humanity, Jordan designs life-changing technologies that are intelligent, futuristic and inclusive, and many of these are made to transform the lives of people with disability.

A passionate advocate for social change, Jordan follows the mantra of:

“One Life. Persist to Improve Many”.

He whole-heartedly believes that each life has the capacity to improve the lives of many, and that this simple yet profound idea can change the world and shape the future.

An inspirational speaker, Dr Nguyen has a natural ability to translate highly technical concepts and future trends into insightful, entertaining, clear and concise content.

In 2012, Dr Jordan Nguyen completed a PhD in Biomedical Engineering at the University of Technology, Sydney (UTS), having developed a mind-controlled smart wheelchair for people with high-level physical disability. The project, for which Jordan was acknowledged in the prestigious Chancellor’s List for the top theses across the



**PSYKINETIC**

Psykinetic biographies  
Founder Dr Jordan Nguyen

University, combined scientific understanding (neuroscience and biological inspiration from nature) with current-day technology (advanced camera systems, artificial intelligence and robotics) and gamechanging thinking, to provide the wheelchair operator with control through thoughts, and semi-autonomous guidance during navigation.

Jordan's professional career commenced with a software engineering role at the biggest biomedical company in Australia, in the field of automated test systems, before undertaking his own entrepreneurial endeavours to further advance his work in life-changing technologies. Working with major disability charities over the next few years, Jordan has established and managed technology initiatives specifically to improve the quality of life for people living with cerebral palsy and related conditions.

He founded Psykinetic In 2014, a social business that creates futuristic empowering and inclusive technologies to improve quality of life for people with disability, and beyond.

With work ranging from biomedical technology, artificial intelligence, robotics, empathetic and human-centred design, virtual reality and augmented reality, the projects created are cutting-edge and ambitious.

But it was as a young man that Jordan's direction in life was indelibly charted. In a dive gone wrong, he hit his head on the bottom of a swimming pool, and was left confined to bed, unable to move, and fearing permanent damage.

Suddenly Jordan found himself considering a life without independence in mobility. Fortunately, Jordan recovered and emerged from the experience with determination and commitment to educate himself about disability and to direct his energies to the not-so-insignificant challenges that people with disability face when trying to access necessary equipment and resources that enable independence.

Since then, Jordan has worked with passion and resolve to create new inclusive technologies aimed at improving the quality of life and independence for people with disability, while simultaneously making the connection to the infinite future pathways of global technology and what those pathways might mean for us as humans.

Jordan believes that the relationship between humanity and technology is constantly changing and that technology's role in our lives is becoming more integrated, leading us to a future that is 'Beyond Superhuman'.

An engaging communicator, with the ability to create instant connections with his audience, Dr Jordan Nguyen is a TEDx speaker and has keynoted at prestigious



**PSYKINETIC**

Psykinetic biographies  
Founder Dr Jordan Nguyen

events such as Think Inc., and Wired for Wonder, among many others. He has shared the stage with a number of influential people, including Nolan Bushnell, founder of Atari, and has had the honour of being Master of Ceremonies for the likes of President Barack Obama and Apple co-founder, Steve Wozniak.

Jordan has presented internationally at the world's largest annual biomedical conference, the Engineering for Medicine and Biology Conference (EMBC), advocating for greater advances in intelligent assistive robotics to harness the power of the mind and human biological signals to control technology.

His work has been featured in a wide range of media. In 2016 Jordan collaborated with the Australian based production company, The Feds, and the ABC to create and present his first TV documentary, "Becoming Superhuman". For this he brought together a diverse team to rapidly prototype and develop technology with young Riley to achieve his dream of driving a vehicle, using only his eyes, all whilst taking the audience on an exciting journey of human potential.

#### Highlights:

- Master of Ceremonies for An Evening with President Barack Obama 2018
- NSW finalist for Australian of the Year 2017
- Named in the Top 100 Global Influencers on Virtual Reality in Onalytica 2016 and 2017
- Named the ACS ICT Professional of the Year 2017
- Master of Ceremonies for An Evening with Steve Wozniak 2016
- Named in Create Magazine's Most Innovative Engineers 2016
- Past board member for the NSW Medical Technology Knowledge Hub
- Past non-executive director for Object: The Australian Design Centre
- Has taught UTS engineering Masters students in Artificial Intelligence design and Biomedical Instrumentation
- Founded social business Psykinetic in 2014, on advanced technology for disability
- TV presenter and producer, having created and hosted documentaries for ABC, Discovery Channel and National Geographic



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Psykinetic biographies  
Founder Dr Jordan Nguyen

- His first documentary 'Becoming Superhuman' has won multiple international awards (Winner ATOM Award, Winner Gold Remi Award, Winner International Disability Film Festival, Winner ACS Cinematographers Award, Winner The Australian Museum EUREKA Prize for Science Journalism, Winner BANFF World Film Festival ROCKIE Award for best Science and Technology program worldwide)

See also: <http://psykinetic.com/>



PSYKINETIC

Psykinetic Champion  
Jess Irwin, The Rockstar



Jessica Irwin

*"If you can dream it, you can achieve it."*

Jessica Irwin was born with high-level cerebral palsy, but that's never stopped her! Together with an equally high level of self-determination and raw talent, she has become an accomplished photographer, musician, website and graphic designer. Jessica strongly believes in the ability to learn from everyone you meet.

"Each of us has a unique skill set. If you sit down, watch and listen to someone you will take away something that you might not have gained if you had never met."

In 2007, Jessica was introduced to renowned photographic artist Ken Duncan. Impressed with the high standard of her work and commitment to her art, Ken invited her to work at his "Created for Life" studios on the Central Coast of NSW where they worked together for six years.

Jessica discovered her passion for live music in 2012, taking her down the road of event photography. Jessica's talent allowed her to be taken under the wing of Australian music legend Steve Balbi (Noiseworks, Mi-Sex, Black Rainbow), and further she was invited to photograph on the red carpet for the ARIA music awards.

Jessica then crossed paths with Dr Jordan Nguyen at a keynote presentation. After attending a number of music gigs together, Dr Jordan saw first-hand Jess' desire to play music on stage - and the seed for Psykinetic 'Atmosphere' was planted.

In 2016 Jessica played alongside the Australia Piano Quartet at the Opera House, using Atmosphere for the first time. Many performances with the Quartet have followed, with the speed and accuracy of the software improved with each concert.



**PSYKINETIC**

Psykinetic Champion  
Jess Irwin, The Rockstar

The 2017 Telstra Vantage event in Melbourne was a celebration of 100 years of technology empowering individuals and businesses. Opening the event was an emotional and powerful rock performance as Jess played Psykinetic 'Atmosphere' on stage alongside her idol Steve Balbi, to an audience of 3,500 people.

Jess and Steve have now written and produced a single, "Winners (Psykinetic Mix)" which will premiere at the Psykinetic launch in Sydney in April 2018 and will be released on the 16th April, 2018.

As a Psykinetic Champion Jess Irwin 'The Rockstar' continues her performances with 'Atmosphere' on stage, in addition to her roles at Psykinetic as a website designer, keynote speaker, and photographer.

See also: <http://psykinetic.com/meet-jessica>



PSYKINETIC

Psykinetic Champion  
Riley Saban, The Superhuman



Riley Saban  
Age 15

*"I encourage people to believe in themselves."*

Riley Saban is a highly energetic and talented fifteen-year-old with big visions and a real passion to create inclusive technology. Riley currently attends a mainstream high school and once graduated, plans to continue to study and work in technology and engineering fields.

Among many featured media stories on this inspiring young man, Riley is the subject of the award-winning documentary 'Becoming Superhuman', which chronicles the journey by Dr Jordan Nguyen and the team at Psykinetic to develop eye-controlled technology with Riley, to fulfill his ambition of driving a vehicle (even though he was only 13 at the time).

Dr Jordan Nguyen and Riley Saban had first met two years prior when Riley was testing communication devices. Jordan brought along a virtual reality (VR) headset and Riley tried out his first VR experience. His excitement for technology and drive to improve the lives of others are what stood out instantly to Jordan, so the adventures that followed were sparked from that point in time.

Riley's main interests currently include discovering new technology, boccia, body boarding and going in the surf with his father. Riley is on the boccia Australian Team and dreams of competing in the Paralympics in the future. He considers his two biggest achievements to be raising money for the 'Make-A-Wish' foundation every year and being part of 'Becoming Superhuman' with Psykinetic.



**PSYKINETIC**

Psykinetic Champion  
Riley Saban, The Superhuman

“Psykinetic is life changing! Psykinetic are supporting people with disabilities by developing computer software that will help give independence in their lives. Driving the eye-controlled buggy was an EPIC experience! Jordan is my mate and my mentor.”

Riley has recently embarked in offering mentoring to others.

“I encourage people to believe in themselves. I mentor people with disabilities. I have explained to people what technology has done for me and what technology can do to support them. Since working with Jordan I felt I could do anything if I put my mind to it. This has made me want to be a mentor for people with disabilities even more.”

Riley is the champion of Psykinetic FRONTIER eye-controlled communication software.

See also: <http://psykinetic.com/meet-riley/>



**PSYKINETIC**

Psykinetic  
Team biographies



**Nick Temple**  
**Chief Technology Officer**

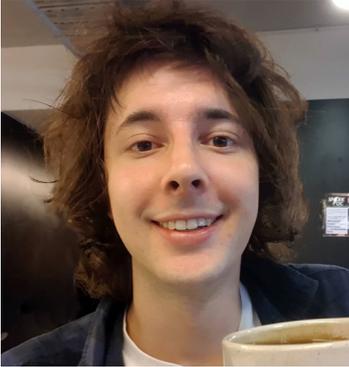
A dedicated engineer with a limitless passion for technology and innovation. Nick began to teach himself programming from a young age and believes the best way to learn anything is to do it yourself. Nick strives to constantly challenge himself with new technology and projects.

He is breaking new ground in technology innovation in his role as Chief Technology Officer at Psykinetic. Nick is leading Psykinetic's software projects and has built the fundamentals for Psykinetic's eye-controlled music software, ATMOSPHERE, and the world's fastest eye-controlled communication device, FRONTIER.



**PSYKINETIC**

Psykinetic  
Team biographies



**Hunter Jay**  
**Junior Software Engineer**

Hunter Jay is a software engineer working on the suite of Psykinetic products, with a focus on applying modern machine learning to improve the systems.

He is a graduate from the University of Sydney, where he first studied Physics and Mathematics before switching to Computer Science out of fear of artificial superintelligence.



**PSYKINETIC**

Psykinetic  
Team biographies



**Victor Limsila**  
**3D Magician**

Victor is a 3D magician and master of all things visual at Psykinetic.

An ambitious, accomplished and creative 3D artist, he's a leader in media production with his skills in concept design, modelling, texturing, 3D scanning and more. He is across the gambit of 3D art at companies and educational institutions alike, helping improve the art and technology throughout the industry in Australia and overseas.

Victor is a pioneer in the field of 3D modelling, photogrammetry and asset creation as his production process brings a new level of fidelity and realism into the virtual world.

Victor is producing ground breaking visuals for Psykinetic, turning visions and ideas into digital art for exciting empowerment of the community, and helping bring imagination to reality.



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Psykinetic  
Team biographies



**David Lau**  
**Business Adviser – Meaningful Partnerships**

An expert in e-Commerce, David blends business management, strategy, and technology to create amazing customer experiences. With many great achievements under his belt, David has led and worked alongside talented teams to advance the ways businesses operate in this ever-changing landscape due to technology. He has been an official partner of eBay Australia and seller for 18 years, partnered with large corporations such as F45 Training and Targus Australia to manage services and supply-chain, and is generally a driven, caring, ambitious individual. Now, in addition to being a great friend of ours, David brings his wealth of experience to the Psykinetic family, helping us in the new areas we plan to move in to and in building and supporting our meaningful partnerships.