

TIM KENTLEY KLAY Biography



Tim Kentley Klay is a creative and technical entrepreneur working at the intersection of design and engineering.

Tim is currently the co-founder of HYPR, an A.I. robotics company developing next-generation scalable ecosystems for our communities and environment.

Previously, Tim founded Zoot, an autonomous mobility company acquired by Amazon. Built on Tim's vision for what an autonomous robotaxi could be, he architected and – with a phenomenal team – developed the world's first ground-up, vertically integrated autonomous mobility ecosystem. In 4 years, Tim built Zoot into a company valued at \$3.2B, raised \$800M in two rounds, hired 500 people, and filed 125 patents across software, hardware, and design.

Tim sat on the U.S. Department of Transportation's *Advisory Committee on Automation in Transportation* and was requested to testify to the Senate House Committee on autonomous mobility policy.

Tim restored a 1958 Series II Land Rover from the frame up, his daily driver when in his hometown of Melbourne, Australia.

At age 25, he founded XYZ Studios, followed by Crayon: both work globally in the creative arts. Together their work has been recognized with well over 100 awards, including 12 ranked *'Best of The Year.'*

Graduating from Camberwell Grammar School, Tim was Dux of his year in both Art and Design, receiving Premier's Awards for each. He was accepted into the prestigious Swinburne University School of Design, graduating as Dux with Honors and recognition as *'Most Innovative Designer.'*

At the 2020 Advance Awards, the Prime Minister of Australia recognized Tim as the *'Advance Global Australian'* and with the *'Advance Commercial Creative Award.'* On February 11, 2023, Zoot conducted the first run of its employee shuttle service in Foster City, California, marking the first time in history a purpose-built autonomous robotaxi without traditional driving controls carried passengers on open public roads. In 2023, Time recognized Tim's vision as a *'Top 100 Invention'*.

Tim's motivation is to accelerate what's possible; to lead courageous teams pioneering frontier technologies for the betterment of our communities and the environment.

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TIM KENTLEY KLAY Companies

'To hold an idea in your head, and then in your hand, is joy. My companies are the engines that make great ideas happen.'

– Tim Kentley Klay

HYPR

Co-Founder

HYPR is a stealth mode A.I. robotics company based in California and France, developing next-generation scalable ecosystems that our communities and environment will love.

Visit hypr.ai

Zoox

Co-Founder

Zoox is a California based robotics company founded to define and lead the era of autonomous mobility. Operating at the intersection of design, computer science, and electro-mechanical engineering, Zoox is a multidisciplinary team working to imagine and build an advanced mobility experience that will support the future needs of urban mobility for both people and the environment.

Visit zoox.com

XYZ

Co-Founder

Taking its name from the possibilities of cartesian space, XYZ is a studio specializing in the art of commercial animation. Defined by its directors, each holds raw talent in multiple disciplines: all are hands on, all are technical, all are designers but of most importance, all are exquisite storytellers.

Visit xyzstudios.com

Crayon

Co-Founder

Crayon is a boutique, self-contained post production studio founded by directors for directors to finish their moving picture projects in an environment purpose built for privacy, focus and a gifted team.

Visit wearecrayon.com

TIM KENTLEY KLAY Education

SECONDARY

Camberwell Grammar School
Melbourne Australia

AWARDS

Graphic Design, Dux
Year 11

Graphic Design, Dux
Year 12

Fine Art, Dux
Year 11

Fine Art, Dux
Year 12

Premier's Award '*Art*'
Presented By Victorian Premier Jeffrey Kennett.

Premier's Award '*Graphic Design*'
Presented By Victorian Premier Jeffrey Kennett.

TERTIARY

Bachelor of Communication Design, Honors (Summa Cum Laude)
The National School of Design, Swinburne University.

AWARDS

'Most Innovative Designer'
Swinburne School Of Design, 3rd Year Graduate Exhibition

'Most Outstanding Achievement In Multimedia'
Swinburne School Of Design 4th Year Graduate Exhibition

TIM KENTLEY KLAY Engagements

COMMITTEE MEMBER

Advisory Committee on Automation in Transportation
U.S. Department of Transportation

KEYNOTE

City of Sydney Visiting Entrepreneur
Sydney

President Obama White House 'Frontiers'
Pittsburgh

Thought Leaders at Stanford University
Stanford

Siggraph
Los Angeles

Fortune Brainstorm
Aspen

Google X
Mountain View

Semi-Permanent
Sydney

Australian Graphic Design Association
Melbourne

Junior
Melbourne

EXHIBITED

Formavision Gallery
New York

Mecal International Short Film Festival
Barcelona

Artery Project International Moving Art Show
Barcelona

Huesca International Film Festival
Barcelona

Pictoplasma Animation Festival
Berlin

St. Kilda Film Festival
Melbourne

TIM KENTLEY KLAY Selected Awards

'Top 100 Inventions'
2023 Time

'Advance Global Australian'
2020 Advance Awards

'Advance Commercial Creative'
2020 Advance Awards

'Animator Of The Year'
Desktop Create Awards, Melbourne
(X3 Times)

'Motion Design Of The Year'
Boards Awards, New York
(X2 Times)

'Hot Shop Of The Year'
Creative Hot Shop Awards, Sydney
(X2 Times)

'Music Video Of The Year'
Urban Music Awards, Sydney

'Best New Director Of The Year'
Phoenix Awards, Singapore

'Interactive Of The Year'
Desktop Create Awards, Melbourne

'Commercial Of The Year (Animation)'
Phoenix Awards, Singapore

'FWA Of The Year'
FWA 2016

'FWA People's Choice Award'
FWA 2016

'Cream O' Crop'
motionographer.com

'Top 10 Production Companies Worldwide'
Shoot Online, New York

'Overall Aesthetic Design (Gold)'
Cannes Lions Awards

'Video/Moving Image (Gold)'
Cannes Lions Awards

'Animation & Illustration (Yellow Pencil)'
D&AD Awards

'Best Use Of Animation Or Motion Graphics'
Webby Awards

'Interactive Film (Gold)'
ADC Awards

'Visual Effects/Animation'
One Show Awards

'Best Direction'
London International Awards

'Best Animation - Cel'
London International Awards

'Entertainment Design (Gold)'
Award Awards

'Graphic Design For Digital/Mobile Technique'
Clio Awards

'Best Animation'
Phoenix Awards, Singapore

'Best Interactive'
Create Awards, Melbourne

'Best Automotive (Silver)'
Phoenix Awards, Singapore

'Best Charity/social Causes Commercial' (Silver)'
Phoenix Awards, Singapore

'Best Commercial 15sec (Silver)'
Phoenix Awards, Singapore

'Best Food/beverage Commercial'
Phoenix Awards, Singapore

'Best Government/educational Institutions Commercial'
Phoenix Awards, Singapore

'Best Design'
Melbourne Advertising & Design Club Awards

'Best Editing'
Melbourne Advertising & Design Club Awards

'Best Typography'
Melbourne Advertising & Design Club Awards

'Best Animation'
Melbourne Advertising & Design Club Awards

'Best Illustration'
Melbourne Advertising & Design Club Awards

'Best Animation Traditional'
Melbourne Advertising & Design Club Awards

'Best Post Production & Visual Effects'
Melbourne Advertising & Design Club Awards

'Best Community Service, Broadcast'
Young Guns Awards, Sydney

'Most Outstanding Design And Technical Skill'
Corel Draw Inc. (Won when 16 years old).

TIM KENTLEY KLAY Selected Patents 125+

US-10543838-B2	Robotic Vehicle Active Safety Systems And Methods
US-2019250623-A1	Internal Safety Systems For Robotic Vehicles
US-9878664-B2	Method For Robotic Vehicle Comms With An External Environment Via AcoUSTic Beam Forming
US-2017351261-A1	Sensor-Based Object-Detection Optimization For Autonomous Vehicles
US-10000124-B2	Independent Steering, Power, Torque Control And Transfer In Vehicles
US-9958864-B2	Coordination Of Dispatching And Maintaining Fleet Of Autonomous Vehicles
US-9804599-B2	Active Lighting Control For Communicating A State Of An Autonomous Vehicle To Entities
US-9910441-B2	Adaptive Autonomous Vehicle Planner Logic
US-10334050-B2	Software Application And Logic To Modify Configuration Of An Autonomous Vehicle
US-10248119-B2	Interactive Autonomous Vehicle Command Controller
US-10446037-B2	Software Application To Request And Control An Autonomous Vehicle Service
EP-3371668-A1	Teleoperation System And Method For Trajectory Modification Of Autonomous Vehicles
US-2018136651-A1	Teleoperation System And Method For Trajectory Modification Of Autonomous Vehicles
US-2019361453-A1	System Of Configuring Active Lighting To Indicate Directionality Of An Autonomous Vehicle
US-9606539-B1	Autonomous Vehicle Fleet Service And System
US-2017120902-A1	Resilient Safety System For A Robotic Vehicle
WO-2017079349-A1	System For Implementing An Active Safety System In An Autonomous Vehicle
US-2018345777-A1	Vehicle With Interchangeable Drive Modules
EP-3568324-A1	Occupant Protection System Including Expandable Curtain And/Or Expandable Bladder
EP-3371772-A4	Software Application To Request And Control An Autonomous Vehicle Service
US-10259514-B2	Drive Module For Robotic Vehicle
US-2019227553-A1	Interactive Autonomous Vehicle Command Controller
WO-2018222375-A1	Vehicle With Interchangeable Drive Module And Drive Module
US-2019387060-A1	Software Application And Logic To Modify Configuration Of An Autonomous Vehicle
WO-2017079321-A1	Sensor-Based Object-Detection Optimization For Autonomous Vehicles
US-10137856-B1	Seatbelt System Including Occupant Detector
US-10317897-B1	Wearable For Autonomous Vehicle Interaction
US-10486485-B1	Perception Based SUSpension Control
US-10558224-B1	Shared Vehicle Obstacle Data
US-10423934-B1	Automated Vehicle Diagnostics And Maintenance
WO-2018132332-A8	Occupant Protection System Including Expandable Curtain And/Or Expandable Bladder
US-10384718-B1	Vehicle Parking Assist
WO-2019118350-A1	Underbody Charging Of Vehicle Batteries
US-2019176637-A1	Underbody Charging Of Vehicle Batteries
US-2019176633-A1	Underbody Charging Of Vehicle Batteries
US-2019138000-A1	Redundant Pose Generation System
US-2019171218-A1	External Control Of An Autonomous Vehicle
US-10457179-B1	Immersive Vehicle Seats
US-2019385025-A1	Sensor Obstruction Detection And Mitigation USing Vibration And/Or Heat
US-2019251376-A1	Object Detection And Passenger Notification
US-2020064842-A1	Autonomous Vehicle Fleet Model Training And Testing
US-2019092257-A1	Fail Operational Vehicle Power Supply

TIM KENTLEY KLAY Selected Media

Inside Zoox, the \$2b self-driving car start-up led by a Melbourne man

Australian Financial Review, Tony Davis

"I think creativity is not understood well in society... it's an idea that is sort of containerized into a very narrow area of museums and the arts. But creative activity is really the business of going outside norms to find something of value. And that means doing something different."

"Zoox is unapologetically about change and creative activity. We're brute-forcing from the ground up an advanced mobility experience, in our view unlike the world has ever experienced before, with no legacy, no incremental steps."

"The United Nations forecasts, in 2050, 75 per cent of this world's population will be living in megacity-like environments. To make that scale, to make that awesome, I think we need shared, on demand, zero emission, autonomous mobility, that's renewably based. And so Zoox is really an exploration into how we make that real."

"We didn't found Zoox to flip it. We founded it to found the future. For us, the reward is not zeros in a bank account, it's seeing the way people move on this planet enhanced in a profound way, and the joy coming out of that."

\$800 Million Says a Self-Driving Car Looks Like This

Bloomberg, Ashlee Vance

"You have to think about what will give you the best result and then walk down that road, even if it means it's the harder road to go down."

Robotaxi Revolutions Don't Come Cheap, So Zoox Boosts Funding By \$500 Million

Forbes, Alan Ohnsman

"Leading the round and writing a more than \$100 million check out of my own money is not a small commitment," Cannon-Brokes told Forbes. "It's a big-ass check, no doubt about it."

Driverless Car Startup Zoox Dismisses CEO in Sudden Move

Bloomberg, Ashlee Vance

"Rather than working through the issues in an epic startup for the win, the board chose a path of fear, optimizing for a little money in hand at the expense of profound progress."

Zoox Memory Lane

Medium, Niki Scevak Blackbird

Self-Driving Cars for Everyone

Stanford Entrepreneurial Thought Leaders, Tina Seelig

Full Throttle on Self-Driving Cars | Fortune

Fortune, Aspen

Tim Kentley Klay (Co-founder & founding CEO, Zoox, Founder & CEO, HYPR) in conversation with Amir Efrati, Executive Editor, The Information

The Information's 2021 Autonomous Vehicles Summit