FutureDrive Academy SHANGHAI

Seize the Technology Windfall for the Next 15 Years

Market Forecasts

Feb 2025 report projects the autonomous driving market will reach $7 trillion by 2035 with a 38.7% CAGR. China targets over 20% L3 penetration by 2025 and large-scale testing.

Technological Integration

Associated core technologies such as AI, 5G, and high-precision mapping are advancing rapidly. Tesla's FSD V12 test data from 2024 shows that the accident rate for fully autonomous driving is 37% lower than that of human drivers, confirming the maturity of these innovations.

Capital and Policy Support

In 2023, global financing for autonomous driving surpassed USD 70 billion, with the Chinese market accounting for 35% of that total. National smart vehicle demonstration zones now span over 50 Chinese cities, supported by leading policy subsidies and pilot programs.

Market Scale & Test Scenarios in China

As the world's largest automotive market, China accounts for 60% of global new energy vehicle sales (2023 data), offering vast real-world data. Its diverse and challenging road environments provide ideal testing grounds for autonomous algorithms.

Technological Breakthroughs

Data from the WIPO shows that Chinese autonomous driving patents represent about 40% of the global total. Companies like Baidu's Apollo, Huawei's ADS, and XPeng's XNGP system (operating in over 100 cities) highlight the strength of localized solutions.

Integrated Industrial Chain

From battery manufacturers to complete vehicle makers (e.g., CATL, Horizon, BYD), Chinese enterprises have built a comprehensive ecosystem. China is also pioneering vehicle-to-road integration, planning to establish 5,000 km of smart, connected roads by 2025.

Efficient Policy Implementation

Initiatives such as the "Dual Intelligence Pilot" have been rolled out in 16 cities, including Beijing and Shanghai, with Shenzhen leading the way in autonomous vehicle legislation. This high-efficiency policy execution positions China to capture 45% of the global market by 2030, particularly in L4 commercial applications and vehicle-road integration standards.

Your Gateway to the Future

This isn't just a 7-day summer camp—it's your gateway to seizing the technology dividends of the next 15 years.

Shanghai, CHINA

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What do the students gain?

Hands-on Technical Training

Learn advanced technologies including ROS, LiDAR obstacle avoidance, machine vision, and deep learning through practical sessions.

Practical Assembly & Debugging

Assemble and debug autonomous driving model cars, performing tasks like data collection, model training, and path planning.

Innovation & Business Workshops

Participate in workshops to explore transforming technology into real-world applications, fostering creativity and business insight.

Industry Visits & Networking

Visit tech companies, AI hubs, and incubators; interact with experts to understand commercial applications and future trends.

Global Perspective Development

Enhance cross-cultural communication skills and build an international outlook to boost university applications and career planning.

Prestigious Mentorship & Certification

Study under experienced mentors from Shanghai Jiao Tong University and earn a valuable camp certificate that sets you apart.

Comprehensive Supervision & Accommodation

Enjoy a 7-day fully supervised camp led by a New Zealand teacher, with all-inclusive accommodation and meals for a worry-free experience.

Cultural Exchange & Unique Tours

Engage with peers from China, Australia, and New Zealand and explore iconic Shanghai sites that blend cultural heritage with modern technology.

Ideal Participants

Enthusiastic

High school students from Australia, New Zealand, and China who are interested in artificial intelligence and autonomous driving technology.

Basic programming skill

Applicants with basic programming skills (e.g., Python) will be given preference.

Growth-Driven

You are committed to personal development and open to embracing new challenges for genuine, real-world growth.

Self-Motivated

You thrive in competitive, intellectually stimulating environments and are driven to continuously achieve excellence.

Perseverant

You embody resilience and determination, tackling challenges head-on and always striving to excel.

Independent

You can thrive in a new environment, quickly developing your own critical thinking and problem-solving skills.

Proud to be Chinese

If you are Chinese, you take pride in your Chinese heritage and are eager to learn from China's rapid technological advancements.

Globally Curious

If you are not Chinese but appreciate Chinese culture and recognize China's pivotal role in shaping the global future, ready to seize this opportunity to gain a competitive edge.

Typical Itinerary

+ *Course Syllabus*

Day 1	Morning	Opening Ceremony & Program Introduction	Welcome students from NZ & AUS, introduce objectives and schedule
		Team Building	Icebreaker activities for cross-cultural exchange
		Autonomous Driving Overview	Lecture by professors/industry experts on trends
	Afternoon	Introduction to ROS2.0	Basics of Robot Operating System (ROS)
		Linux Basics	Learn essential Linux operations
		Smart Car Assembly & Debugging	Hands-on assembly & initial testing
	Evening	Welcome Dinner	Cultural exchange dinner with Shanghai specialties
Day 2	Morning	Fundamentals of Machine Vision	Learn about cameras, sensors, and image processing
		Data Collection Practice	Smart car-based image data collection and analysis
	Afternoon	Company Visit	Tour an autonomous driving R&D center
		Engineer Exchange	Discuss the future of autonomous driving
	Evening	The Bund Tour	Experience Shanghai's historical and modern landmarks
		Nanjing Road	Explore Shanghai's commercial culture
Day 3	Morning	Deep Learning Fundamentals	CNN & ResNet model introduction
		Model Training	Train AI models using collected data
	Afternoon	Startup Incubator Visit	Learn how tech startups commercialize innovation
		Entrepreneurial Exchange	Gain insights into entrepreneurs' experiences and innovative concepts
	Evening	Business Model Design	Work in teams to design business models related to autonomous driving and explore how to transform technology into commercial applications.
		Innovation Thinking Training	Stimulate creativity and business awareness through brainstorming and case analysis.
Day 4	Morning	LiDAR Fundamentals	Learn how LiDAR enables obstacle detection
		Obstacle Avoidance Implementation	Program and test smart car obstacle avoidance
	Afternoon	AI Company Visit	Explore AI applications in autonomous driving
		Industry Expert Exchange	Discuss advanced AI applications
	Evening	Smart Car Integration & Games	Fine-tune systems and participate in interactive activities
Day 5	Morning	System Integration & Optimization	Teamwork on smart car system optimization
		Simulated Track Testing	Evaluate smart car performance in real conditions
	Afternoon	Project Showcase	Present autonomous driving projects
		Smart Car Competition	Compete to determine the best-performing team
	Evening	Cultural Party	Celebrate with performances and networking
Day 6	Morning	Shanghai Science & Tech Museum	Interactive tech exhibits and innovation displays
	Afternoon	Zhujiajiao Ancient Town Tour	Experience traditional Chinese water town culture
	Evening	Reflection & Summary	Group discussions and key takeaways
Day 7	Morning	Learning Summary	Student presentations & mentor feedback
		Closing Ceremony	Certificate presentation and awards
	Afternoon	Departure	Students return home

The specific daily schedule will be determined based on actual circumstances.

Fees and Key Dates

Early bird price

$2649, inclusive of meals and accommodation. Payment must be made by April 11 to enjoy this rate; thereafter, the standard price of $3,249 applies.

Registrati on ends

6 June 2025

2025 camp dates

30 June to 6 July (Coding Academy); 7 July to 13 July (Optional FutureNow Tour)

Airport pickup

Airport pickup service with signboard: addi tional $150.

Single room upgrade

Standard hotel accommodati on is double occupancy with random assignment. Single room upgrade: $350 (must apply 21 days before the camp starts) for a total of 7 nights.

Insurance

If only in-China coverage is needed, consider China Pacific Insurance Company's "Baoyou Prestige Domestic Travel Insurance" at ¥85 for 7 days. Learn more

Refund/Cancellation

If you cancel at least 28 days before the camp starts, you will receive an 80% refund (an administrative fee may apply). Cancellations made within 14 days of the camp start date are non-refundable. Please review our full cancellation policy for details.

Laundry

The hotel provides a paid laundry service (approximately ¥30-50 per load). We recommend bringing enough clothing for 5-7 days.