| **Lesson Plan** | | | |
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| **Name:** | Jerome Kendall | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 11/03/24 | | |
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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 1**:   * LO1 Drive an electric vehicle safely. * LO2 Prepare and drive an electric vehicle safely to a high standard. * LO3 Prepare and drive an autonomous vehicle in data collection. | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Undergo a high standard driving test to show your professionalism and ability to drive to the standards required here at Wayve  - Be shown how to conduct a BUI of a vehicle and ensure its roadworthiness before heading out onto the road.  - You will use your understanding of the systems to set up, and safely conduct a DC run to our closed road test site. | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | Today you will be working towards successful completion of LO3.  You will learn how to correctly set up the vehicle in Data Collection mode and plot a route to the test site.  You will follow the sat nav correctly and ensure a high standard of driving is maintained throughout your time on the road | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | Jerome showed a high standard of driving on the run up to Millbrook today. Forward planning when coming into building traffic was highlighted as something to start thinking about to ensure plenty of time to merge into the correct lane to continue with the journey. Also on motorways, we discussed the need for Jerome to be mindful of keeping to the left hand lane at all times where possible and not holding out in the middle lane. He showed great understanding of the BUI, setting up a Data Collection run and conducted the required high standard of driving. Overall I feel the result for this unit was a pass, with no issues noticed and some learning points discussed to focus on going forward. | | |
| **Learner Self-Reflection:** | I believe that the day went very well, there was a little pressure being the first driver up to Millbrook. Having all eyes on me etc. Will and Keiran gave me some positive feedback that I found encouraging and helped to put me at ease. I took on board advice given and tried to implement where possible. | | |

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| **Name:** | Jerome Kendall | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 11/03/24 | | |
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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 2**: - LO1 Prepare an autonomous vehicle for safe operation in a Closed Road Testing - LO2 Operate an autonomous vehicle in a Closed Road Testing environment | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Attend a Closed Road Testing (CRT) site and conduct Autonomous driving - Work through the required steps needed to setup a Autonomous Feature Test (AFT) test on the UI - Learn and put into practise the methods of intervening with the system - Safely carry out an AFT | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | Today you will attend the test site and we will show you how to set up an AFT through the steps required on the UI.  We will show you the areas we use on the site to ensure your understanding of the different areas.  We will have discussions around Interventions with the systems and carry out a couple of tes circuits s to make sure you are comfortable operating the system, that you feel in control to intervene with the system if necessary and we will start to build up your confidence | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | Jerome showed competent knowledge of understanding the Gamepad check process and after a couple of run throughs, no issues were found. After firstly showing a little apprehension when engaging AV, Jerome showed confidence carrying out AV testing. He was able to successfully and smoothly hand over to AV. We discussed the need for 360 checks before engaging AV and moving forward onto open-road testing, the further importance for these checks. After building up his experience, Jerome gave smooth, safe and controlled interventions with no sharp movements to the vehicle. Overall he showed competence in this unit and achieved the pass mark, demonstrating a safe and controlled handover and intervention of the system when required. | | |
| **Learner Self-Reflection:** | I enjoyed the day at Millbrook and felt it was a positive learning experience. After a few run throughs on the game pad I felt pretty comfortable completing the checks. The first time engaging AV was an alien feeling but I quickly started to feel comfortable and got into a good rhythm using it. | | |

| **Lesson Plan** | | | |
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| **Name:** | Jerome Kendall | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 12/03/24 | | |
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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 3**: - LO1 Prepare an autonomous vehicle for safe operation in a Open Road Testing - LO2 Operate an autonomous vehicle in a Open Road Testing environment | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Head to Linton Street and Sommers Town to learn about on road testing. - You will be shown how to correctly setup an AFT for an Open Road Test, using the UI. - You will have the opportunity to demonstrate your ability to safely conduct testing. | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | During this session you will head out to Linton Street, Sommers Town and following successful competence at these test sites, you will conduct a Cali V2 test route. These environments will help you to further develop your skills as an AVSO. You will be shown how to set up an AFT, how to manually plot a route/load one from the UI pre planned maps and carry out a AFT of this route. | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | Today went well conducting On-road testing. On the drive over to Linton street this morning, we had a close call with a cyclist in DC when turning right across traffic. I had a discussion with Jerome that we need to forward plan more and think more about vulnerable road users, and to keep more all round observations. Testing at Linton street went good with Jerome becoming more comfortable with the systems and how to interact with them on the street. We talked through interventions and overall I felt Jerome was intervening with Safety as a priority. He conducted a solo drive in this location which he reported went well. We then moved over to Sommers town, Jerome showed good control with interventions in a safe and timely manner. We discussed again the importance of 360 observations when in AV, and also before going into AV to ensure the environment is safe, especially as the location we test in becomes more dynamic. After Lunch we did some short Cali routes, where I asked for more observations to be shown. I started to see these coming in by the end of the session. Jerome showed good hazard awareness with a difficult intervention, ensuring that we came to a stop and not accelerated through when a non priority vehicle was falsely led to believe we were giving way to it. This showed me that safety was important to him and at the forefront of his mind.  We closed the session with a discussion about driving standards here at Wayve and the need for these to be upheld, maintaining a good hand position on the steering wheel following intervening, and the importance of all round observations. Focus on ensuring you deliver a high standard of driving in DC, with good all round observations. Overall, good to see safety as a priority during AV with no concerns here, tomorrow we will look to further build upon your AV skills and work on ensuring you uphold the required driving standards. | | |
| **Learner Self-Reflection:** | Today was positive, and the close call on route to linton street gave me a lot to think about and actually put me in a more safety conscious mindset. Keirans feedback was taken onboard and implemented. Driving solo felt good as the pressure was off a bit and I enjoyed the progression into sommers house. | | |

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| **Name:** | Jerome Kendall | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 13/03/24 | | |
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| **Aim:**  *(Overall goal?)* | - Conduct testing on Cali V2 routes and build up to Alpha routes - Improve to the Driving standards required, ready for Unit 3 Assessment | | |

| **Objective:**  *(Steps taken to reach that goal?)* | - Have a discussion about the Driving standards required here at Wayve - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Cali V2, and Alpha Lane routes | | |
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| **Session:**  *(What are you planning to do? What resources did you use?)* | Today we start with a discussion about the driving standards required here at Wayve and what we expect all AVSO’s to uphold. We will do a couple of Cali V2 runs to put this into practice, ensuring safety is kept at a priority. Once we have established the standards are being met, we will build further up onto Alpha Test Routes. These will further build upon your AV skills working toward your final Unit 3 assessment. Today focus on: - Building AV skills and confidence operating  - Safety is upheld when conducting testing  - Driving standards are maintained | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | This morning we had a good discussion regarding the standards required by all AVSO's and I could see Jerome started to implement more checks into his driving, he was more aware of his hand position on the steering wheel when intervening and driving in DC. We conducted Cali V2, Alpha 1 and 2 routes.  I gave a demonstration ride today and Jerome said it was a good learning point to see the standards we require here at Wayve. Good to see an increase in observations before engaging AV. We had one point today where we had to take a diversion and whilst off route, Jerome engaged and quickly disengaged AV, we had a talk about being more aware of when on a diversion and the importance of not doing this. We drove quite a stretch out of AV on test today, we talked about when safe and able, maximising the time we spend in AV.  ​​Overall today was good, no safety concerns regarding observations and interventions for safety, with some learning points discussed to take forward. Jerome discussed wanting to spend more time working through the steps in a gamepad check to further improve his knowledge and practise doing it. | | |
| **Learner Self-Reflection:** | I enjoyed progressing into more dynamic routes and taking on board the feedback given.  The routes taken today felt more like every day driving which I believe was a positive.  It was good to see keiran’s demonstration drive as having a standard to aim for is important. | | |

| **Lesson Plan** | | | |
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| **Name:** | Jerome Kendall | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 14/03/24 | | |
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| **Aim:**  *(Overall goal?)* | Make sure Jerome is:  -Safe while in AV mode  -High level observations and aware of dangers  -Time and correctly intervene where necessary  -Identify any weakness and help with training | | |

| **Objective:**  *(Steps taken to reach that goal?)* | To progress from a Cali V2 onto ALR routes to show more challenging environments. By the end of the day be moving towards AV’ing on their own. | | |
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| **Session:**  *(What are you planning to do? What resources did you use?)* | Cover 2 ALR’s with the Baseline | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | This morning we continued from the following day starting on Cali V2. Jerome’s general observations were very good but was occasionally missing the final over shoulder checks, we spoke about this after the route and the importance of those checks and what could be in that area. There were also a couple of indecisive interventions, nothing dangerous, but just areas where we needed to focus on and fine tune, and lastly when there was an intervention Wayne was the driving for a long period of time before re-engaging. I suggested before we move onto an ALR, we do a short Cali and focus on those areas. During the drive Jerome’s observations were much better, he started to re-engage sooner while still remaining safe and was more confident on when to intervene. During the next 2 sessions we completed ALR 1 and then ALR 2. Jerome continued to show a high level of safety while AV’ing, growing in confidence when intervening. Observations were spot on and and continued to focus on re-engaging sooner. At the end of our sessions we spoke about the steps going forward and I confirmed I was happy that Jerome took on board my feedback. I feel that Jerome is capable of going out solo to gain more experience as an AVSO. | | |
| **Learner Self-Reflection:** |  | | |