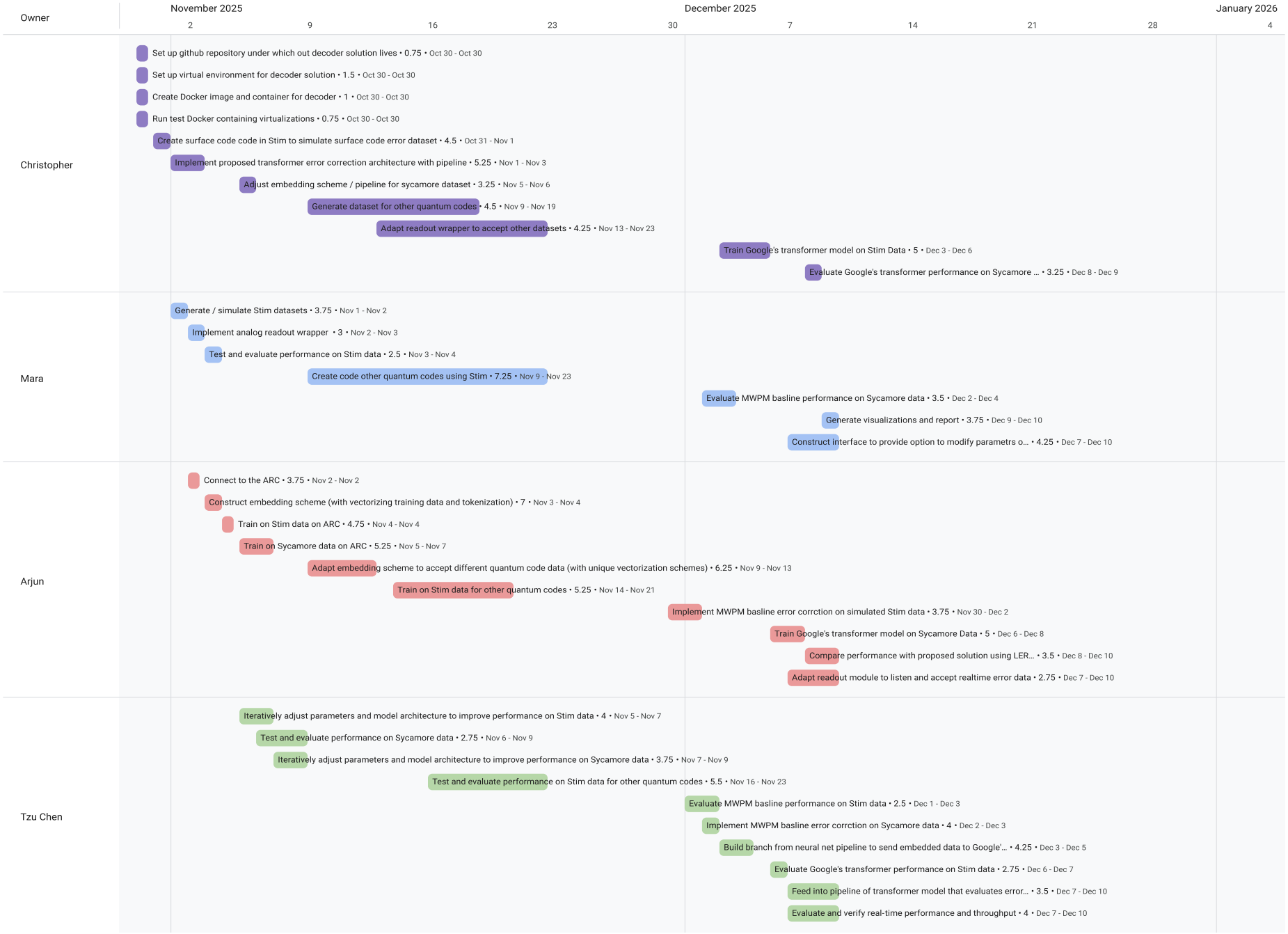
Owner
November 2025
December 2025
January 2026
2
9
16
23
30
7
14
21
28
4
Christopher
Set up github repository under which out decoder solution lives • 0.75 • Oct 30 - Oct 30
Set up virtual environment for decoder solution • 1.5 • Oct 30 - Oct 30
Create Docker image and container for decoder • 1 • Oct 30 - Oct 30
Run test Docker containing virtualizations • 0.75 • Oct 30 - Oct 30
Create surface code code in Stim to simulate surface code error dataset • 4.5 • Oct 31 - Nov 1
Implement proposed transformer error correction architecture with pipeline • 5.25 • Nov 1 - Nov 3
Adjust embedding scheme / pipeline for sycamore dataset • 3.25 • Nov 5 - Nov 6
Generate dataset for other quantum codes • 4.5 • Nov 9 - Nov 19
Adapt readout wrapper to accept other datasets • 4.25 • Nov 13 - Nov 23
Train Google's transformer model on Stim Data • 5 • Dec 3 - Dec 6
Evaluate Google's transformer performance on Sycamore … • 3.25 • Dec 8 - Dec 9
Mara
Generate / simulate Stim datasets • 3.75 • Nov 1 - Nov 2
Implement analog readout wrapper • 3 • Nov 2 - Nov 3
Test and evaluate performance on Stim data • 2.5 • Nov 3 - Nov 4
Create code other quantum codes using Stim • 7.25 • Nov 9 - Nov 23
Evaluate MWPM basline performance on Sycamore data • 3.5 • Dec 2 - Dec 4
Generate visualizations and report • 3.75 • Dec 9 - Dec 10
Construct interface to provide option to modify parametrs o… • 4.25 • Dec 7 - Dec 10
Arjun
Connect to the ARC • 3.75 • Nov 2 - Nov 2
Construct embedding scheme (with vectorizing training data and tokenization) • 7 • Nov 3 - Nov 4
Train on Stim data on ARC • 4.75 • Nov 4 - Nov 4
Train on Sycamore data on ARC • 5.25 • Nov 5 - Nov 7
Adapt embedding scheme to accept different quantum code data (with unique vectorization schemes) • 6.25 • Nov 9 - Nov 13
Train on Stim data for other quantum codes • 5.25 • Nov 14 - Nov 21
Implement MWPM basline error corrction on simulated Stim data • 3.75 • Nov 30 - Dec 2
Train Google's transformer model on Sycamore Data • 5 • Dec 6 - Dec 8
Compare performance with proposed solution using LER… • 3.5 • Dec 8 - Dec 10
Adapt readout module to listen and accept realtime error data • 2.75 • Dec 7 - Dec 10
Tzu Chen
Iteratively adjust parameters and model architecture to improve performance on Stim data • 4 • Nov 5 - Nov 7
Test and evaluate performance on Sycamore data • 2.75 • Nov 6 - Nov 9
Iteratively adjust parameters and model architecture to improve performance on Sycamore data • 3.75 • Nov 7 - Nov 9
Test and evaluate performance on Stim data for other quantum codes • 5.5 • Nov 16 - Nov 23
Evaluate MWPM basline performance on Stim data • 2.5 • Dec 1 - Dec 3
Implement MWPM basline error corrction on Sycamore data • 4 • Dec 2 - Dec 3
Build branch from neural net pipeline to send embedded data to Google'… • 4.25 • Dec 3 - Dec 5
Evaluate Google's transformer performance on Stim data • 2.75 • Dec 6 - Dec 7
Feed into pipeline of transformer model that evaluates error… • 3.5 • Dec 7 - Dec 10
Evaluate and verify real-time performance and throughput • 4 • Dec 7 - Dec 10