

Robot Project

Max Heil

Project start:

Mon, 2/16/2026

Display week:

1

TASK	PROGRESS	START	END
PHASE 0 — Project Management & Setup			
Repo + folder structure committed	<div><div></div></div> 100%	2/16/2026	2/18/2026
Roadmap & scope drafted	<div><div></div></div> 80%	2/18/2026	2/22/2026
Robot selection + DH source locked	<div><div></div></div> 80%	2/17/2026	2/19/2026
Verification plan + tolerances defined	<div><div></div></div> 10%	2/20/2026	2/23/2026
Milestone — Scope locked	<div><div></div></div> 50%	2/23/2026	2/23/2026
Milestone — DH table locked	<div><div></div></div> 50%	2/23/2026	2/23/2026
PHASE 1 — Forward Kinematics (FK)			
FK derivation	<div><div></div></div> 0%	2/23/2026	2/25/2026
FK implementation + unit tests	<div><div></div></div> 0%	2/25/2026	2/26/2026
FK validation vs reference tool	<div><div></div></div> 0%	2/25/2026	2/26/2026
Milestone — FK verified	<div><div></div></div> 0%	2/26/2026	2/26/2026
PHASE 2 — Inverse Kinematics (IK)			
IK derivation	<div><div></div></div> 0%	2/24/2026	2/27/2026
IK implementation	<div><div></div></div> 0%	2/27/2026	2/28/2026
Branch enumeration + singularity handlr	<div><div></div></div> 0%	2/28/2026	2/28/2026
Milestone — IK implemented	<div><div></div></div> 0%	2/28/2026	2/28/2026
PHASE 3 — Verification (IK + round-trip)			
Round-trip harness: FK→IK→FK tests	<div><div></div></div> 0%	2/28/2026	2/28/2026
Cross-check selected cases vs referenc	<div><div></div></div> 0%	2/28/2026	2/28/2026
Milestone — IK verified	<div><div></div></div> 0%	2/28/2026	2/28/2026
PHASE 4 — Motion Planning App			
App scaffolding + 3D visualization workir	<div><div></div></div> 0%	2/26/2026	2/28/2026
MoveJ implementation + joint plots	<div><div></div></div> 0%	2/27/2026	2/28/2026
MoveL implementation + plots + error ha	<div><div></div></div> 0%	2/27/2026	2/28/2026
App polish + demo scenario script	<div><div></div></div> 0%	2/27/2026	2/28/2026
Milestone — App feature-complete	<div><div></div></div> 0%	2/28/2026	2/28/2026
PHASE 5 — Documentation & Demo Assets			
Paper draft	<div><div></div></div> 0%	3/1/2026	3/1/2026
Figures/tables + verification results inser	<div><div></div></div> 0%	3/1/2026	3/1/2026
Slides draft + demo plan	<div><div></div></div> 0%	3/1/2026	3/1/2026
PHASE 6 — Final QA + Submission			
Final paper edits + formatting pass	<div><div></div></div> 0%	3/2/2026	3/2/2026
Final slides + speaker notes	<div><div></div></div> 0%	3/2/2026	3/2/2026
Final repo cleanup + run instructions ver	<div><div></div></div> 0%	3/2/2026	3/2/2026
Submission package assembled + uploa	<div><div></div></div> 0%	3/2/2026	3/2/2026
Milestone — Paper final	<div><div></div></div> 0%	3/2/2026	3/2/2026
Milestone — Slides final	<div><div></div></div> 0%	3/2/2026	3/2/2026
Milestone — Submission complete	<div><div></div></div> 0%	3/2/2026	3/2/2026
Milestone — Presentations begin (time 1	<div><div></div></div> 0%	3/3/2026	3/6/2026

