

Team Name: sdmay21-05

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Report Period: Oct 12-Oct 18

Summary of Progress in this Period

- Met as a team, discussed project progress
- OpenCV chessboard pattern detection improvement
- Implemented line intersection and point finding algorithms for CV pipeline
- Made more progress on the second deadline for the design document
- Created/initialized CI/CD pipeline for team GitLab repo

Pending Issues

- Creating datasets/models for CV board state determination

Plans for Upcoming Reporting Period

- Complete the second deadline (Chapters 3&4) for the design document
- Create and standardize formatting of instructions/documentation
- Continue preparing our first demo
- Continue work as outlined by the Gantt chart
- Fine-tune CV pipeline and recognize individual squares on the game board
- Technical challenges lightning talk
- Create large sample set of chess board images taken from the Vuzix Blade to be used for regression testing and tuning of CV algorithms
- Image capture and welcome screens for android application portion of the project