SuperLap Racing Line Optimization System

EPI-USE



Quintessential

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CONTRIBUTION OF TEAMMATES

Project Manager

Amber Werner

- Documentation
- System Diagrams
- Testing
- Created Website Landing Page
- Convolutional Neural Network (CNN) development
- Organizing meetings

Backend Developers

Qwinton Knocklein

- Documentation
- API
- Image Processor Development
- Testing
- UI development
- Centre-line drawing tool and mask creation
- CNN training

Sean van der Merwe

- Documentation
- API and Swager set up
- Particle Swarm Optimization (Race line Optimization)
- Integration
- Game Integration
- Deployment of System

• CNN corrections and training

Front End Developers

Simon van der Merwe

- Documentation
- UI design
- CI/CD (DevOps)
- Integration
- Genetic algorithm and motorcycle physics

Milan Kruger

- Documentation
- UI design
- UI development
- Integration