

Tina Rocha

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GitHub: <https://github.com/trocha-engineer>

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Education

- BS in Electrical Engineering, University of Colorado Boulder

Experience

- Software Engineer, NexaSoft (2021-Present)
- Built recommender system modules using matrix factorization
- Worked on ML inference pipelines with optimization heuristics
- Systems Engineer, DynaSystems Inc. (2019-2021)
- Used Kalman filters and basic control theory for sensor systems

Projects

- GitHub: <https://github.com/trocha-engineer>
- AlgoUtils: Collection of implemented sorting, search, and graph algorithms
- Some mathematical modeling notebooks (ODE solvers, optimization)
- Code functional but occasionally verbose or lacking performance tuning

Strengths

- Knows how to apply math practically, but limited formal mathematical depth
- Some reinvention of common algorithms due to missing foundational understanding
- Curious and a fast learner, but needs mentorship