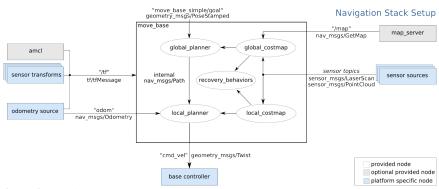# CS354

Nathan Sprague

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gmapping

- http://wiki.ros.org/gmapping ↗
- This is just a thin ROS-wrapper around
    - http://openslam.org/gmapping.html ↗

Navigation

Navigation Stack Setup

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http://wiki.ros.org/navigation/Tutorials/RobotSetup

- **Publish/Subscribe** - best for sharing streaming data
- **Services** - remote procedure calls, send a request, wait for result

- Publish/Subscribe - best for sharing streaming data
- Services - remote procedure calls, send a request, wait for result

- Sometimes we want to request a long-running service, then get on with things, potentially cancelling the request later:
  - actionlib
  - http://wiki.ros.org/actionlib ↗

actionlib example

action_nav.py