**VEC on Ray**

wireless (later)

(Yihang, Weihao, Zequn)

Computation Environment (Weihao)

- tasks

offload task (Weihao)

**TASK VEHICLE** Vt (main vehicle database: Yihang)

Computation Environment (Weihao)

- tasks

**SERVICE VEHICLE 1** (main vehicle database: Yihang)

allocation

Computation Environment (Weihao)

- tasks

**SERVICE VEHICLE 2** (main vehicle database: Yihang)

Blockchain (Arunava)

- consensus (PBFT)

Blockchain (Jiemin)

- smart contract

Algorithm 1 (Zequn)

SAC-based Task Allocation

Reinforcement Learning (RLlib)

Algorithm 2 (Arunava)

Consensus Node Selection (DDQN) (Jiemin)

Reinforcement Learning (RLlib)

request

**Information Exchange**:

utility

reliability

service price

etc.

**BASE STATION** (main BS, database of vehicles: Zequn)