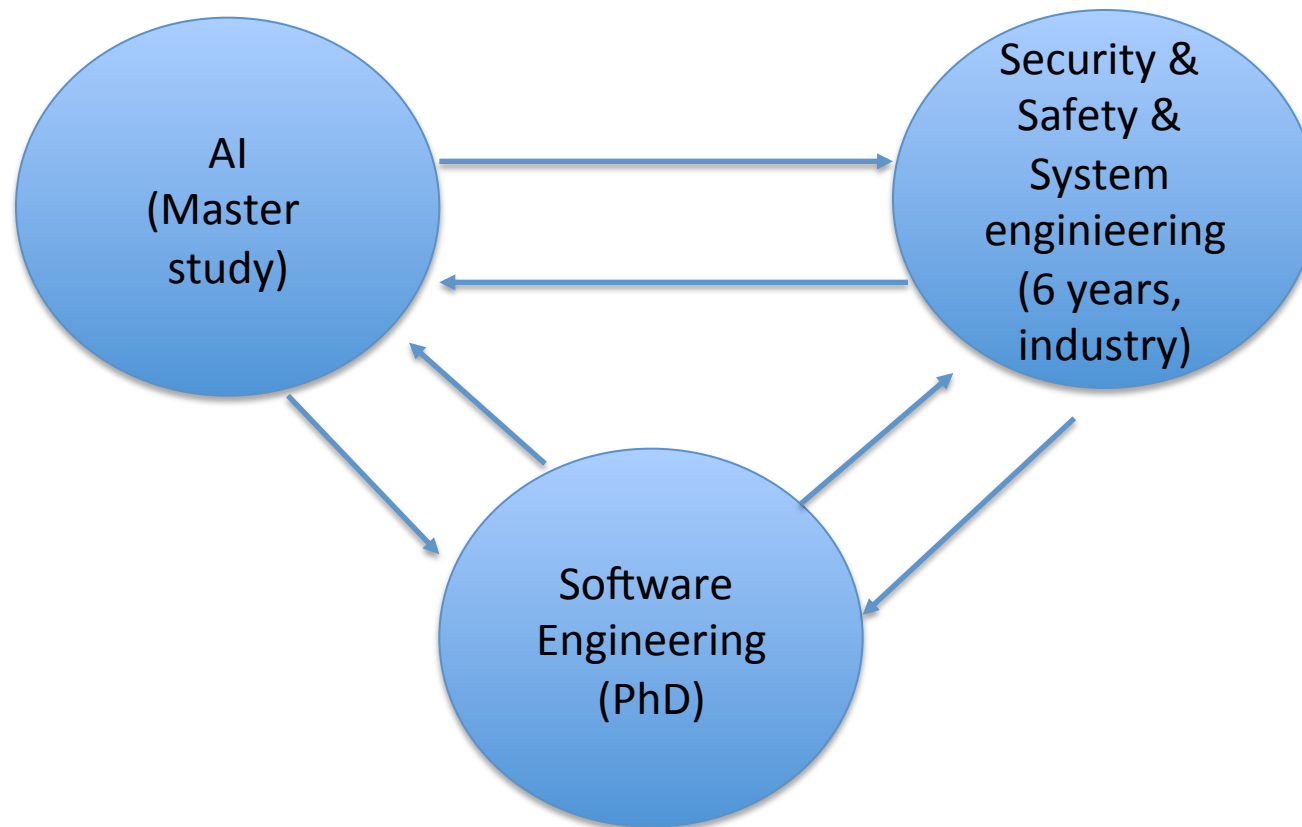


My Research Focus and Interests

Jingyue Li
CS Dept.

NTNU

My background



I am

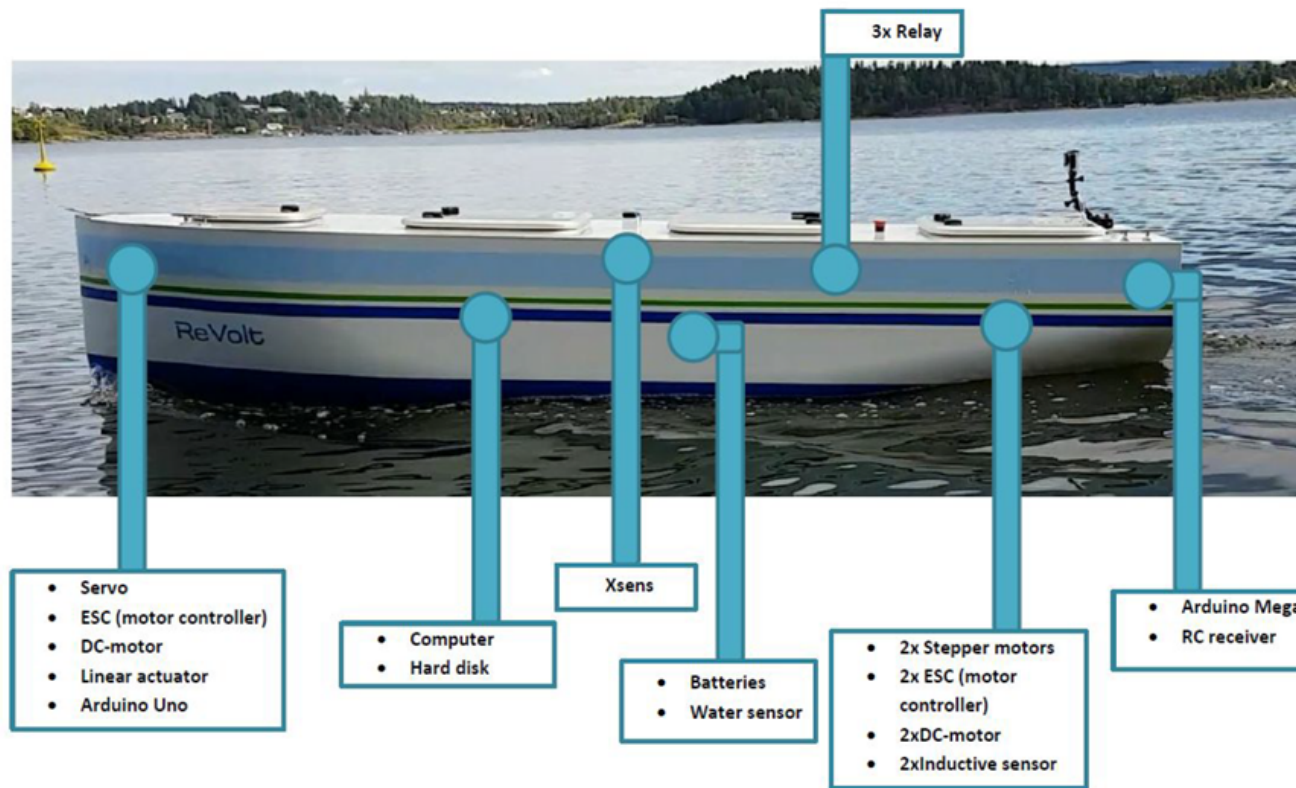
- Teaching
 - Software security
 - Advanced software engineering
 - Empirical software engineering
- Supervising
 - 6 PhD students (4 main supervisors, 2 co-supervisors)
 - One Post-doc (to start from Autumn)
 - 10+ Master students

Research focuses

➤ Engineering AI

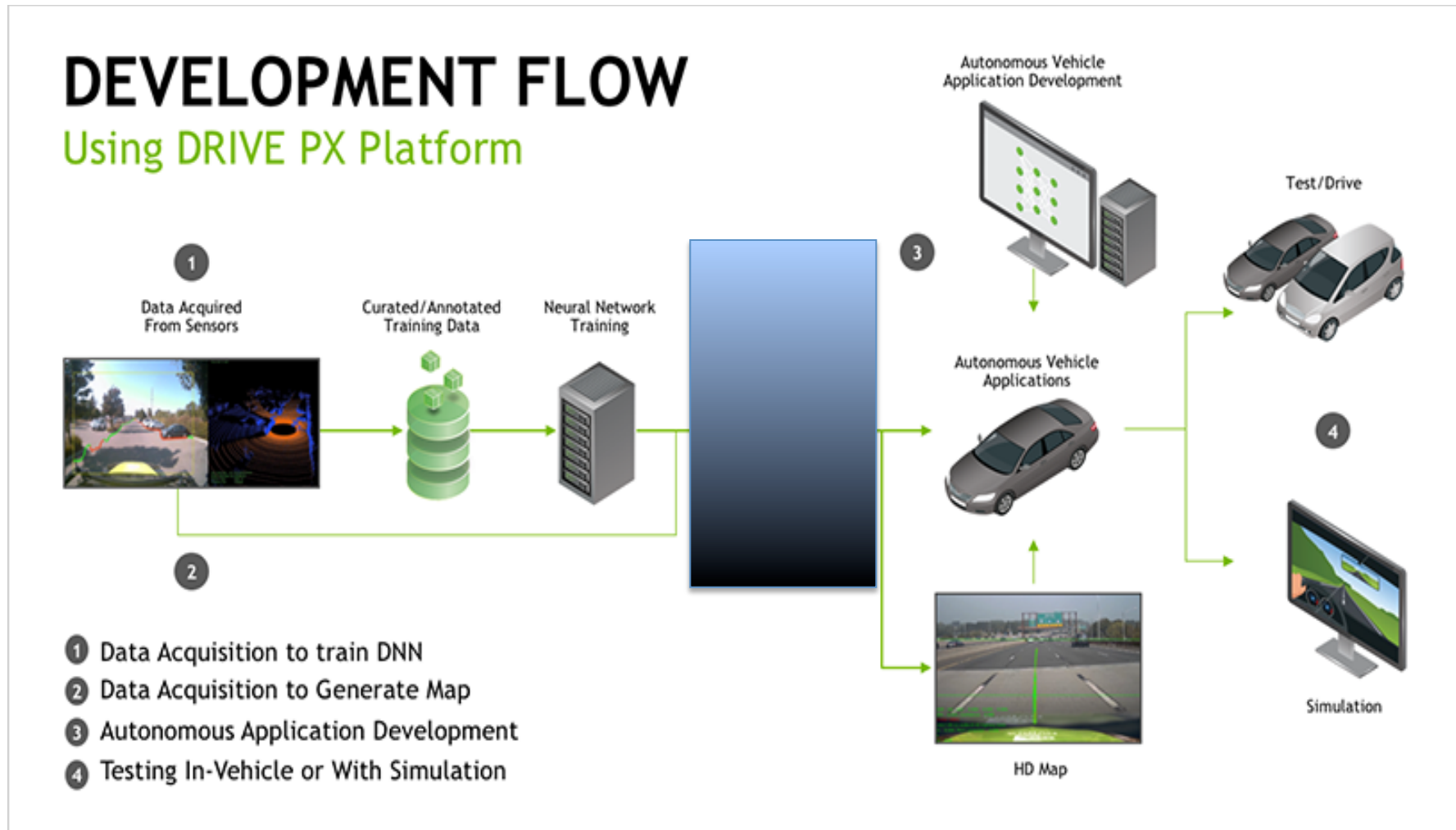
- AI for engineering
- Software engineering and Security

Our autonomous boats



Revolt

Challenges of deep-learning based autonomous system



Our deep-learning based autonomous car



Control our autonomous cars



https://www.youtube.com/channel/UC-v9jQHOhiVuJYTopTAv19w/playlists?view_as=subscriber

Safety of autonomous system



- **Training sufficiency of the autonomous vehicle**
- **Mental health of the autonomous vehicle**
- **Physical health of the autonomous vehicle**

Safety analysis and risk mitigation of the autonomous vehicle

- Understanding of the DNN
- Testing DNN
- ...



Jin Zhang

PhD Candidate

Department of Computer Science

Faculty of Information Technology and Electrical Engineering

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IT-bygget, 154, Gløshaugen



Smart attack detection and mitigation

- Training smart systems to have two behaviors
- Training systems to personalize the hack
- Training systems to evolve itself
- ...



Research focuses

- Engineering AI
- AI for engineering
- Software engineering and Security

Adaptive traffic control using info. from connected vehicles



Elnaz Namazi

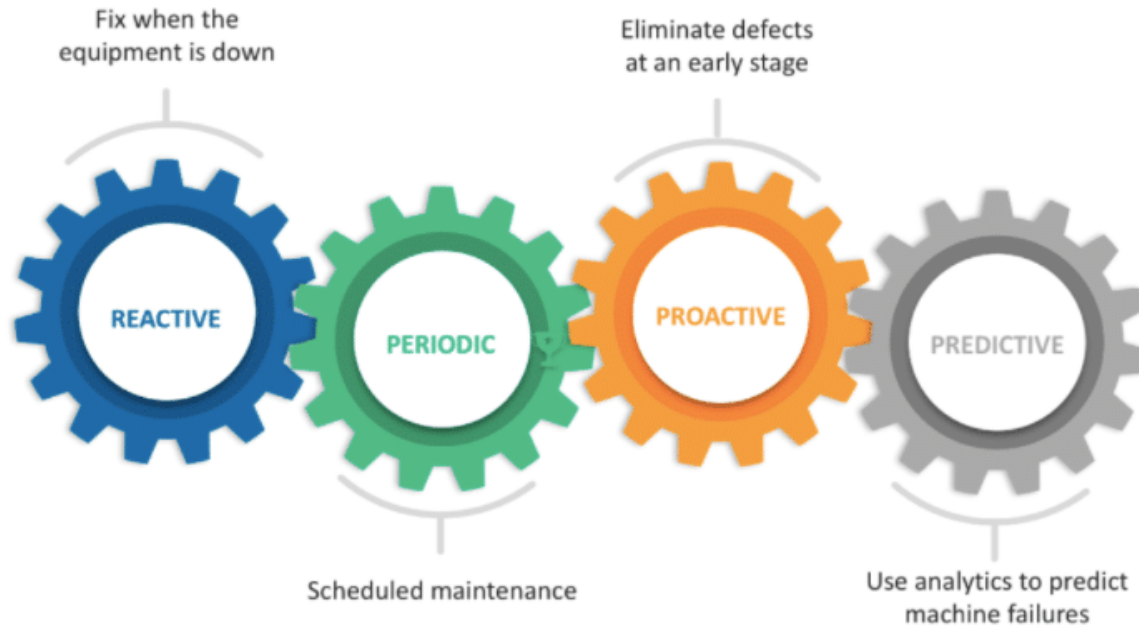
Stipendiat

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Predictive maintenance



Eivind Kristoffersen

PhD Stipendiat

Institutt for datateknologi og informatikk

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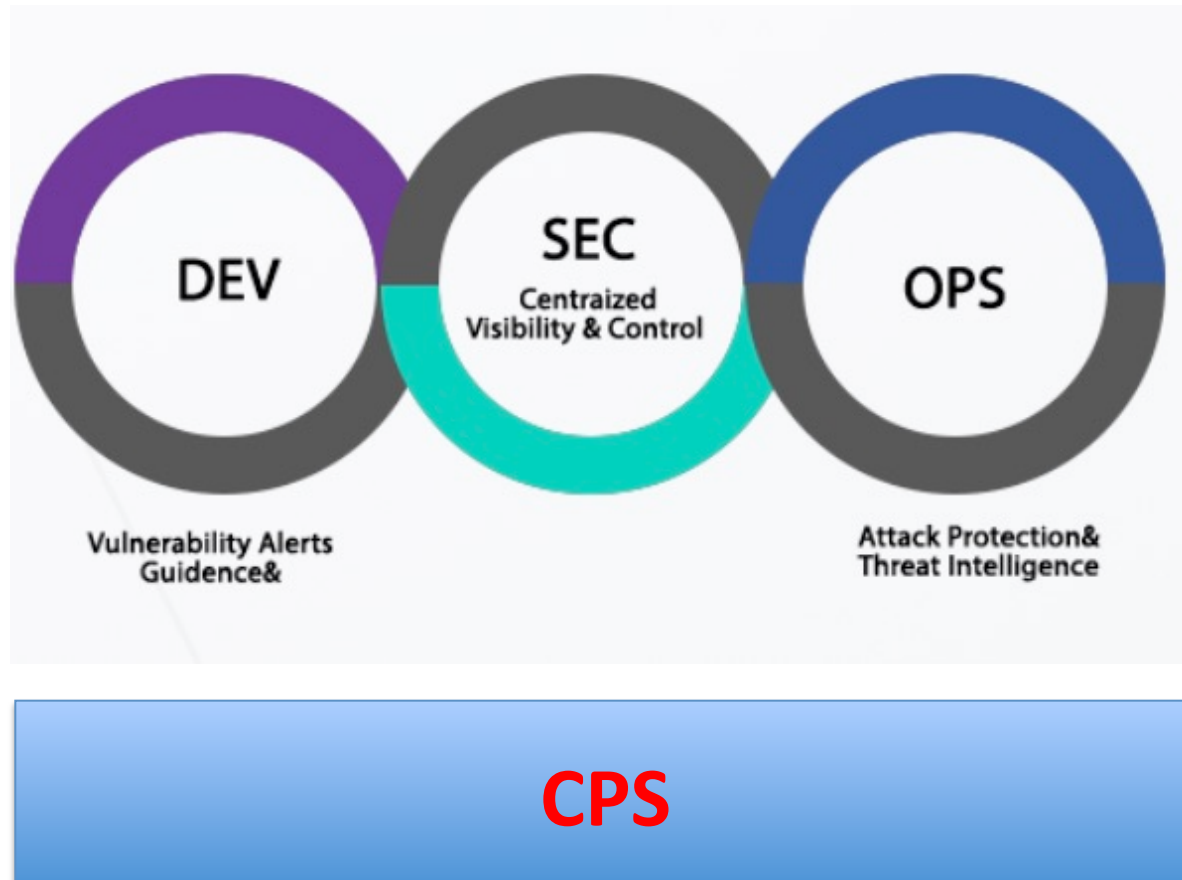
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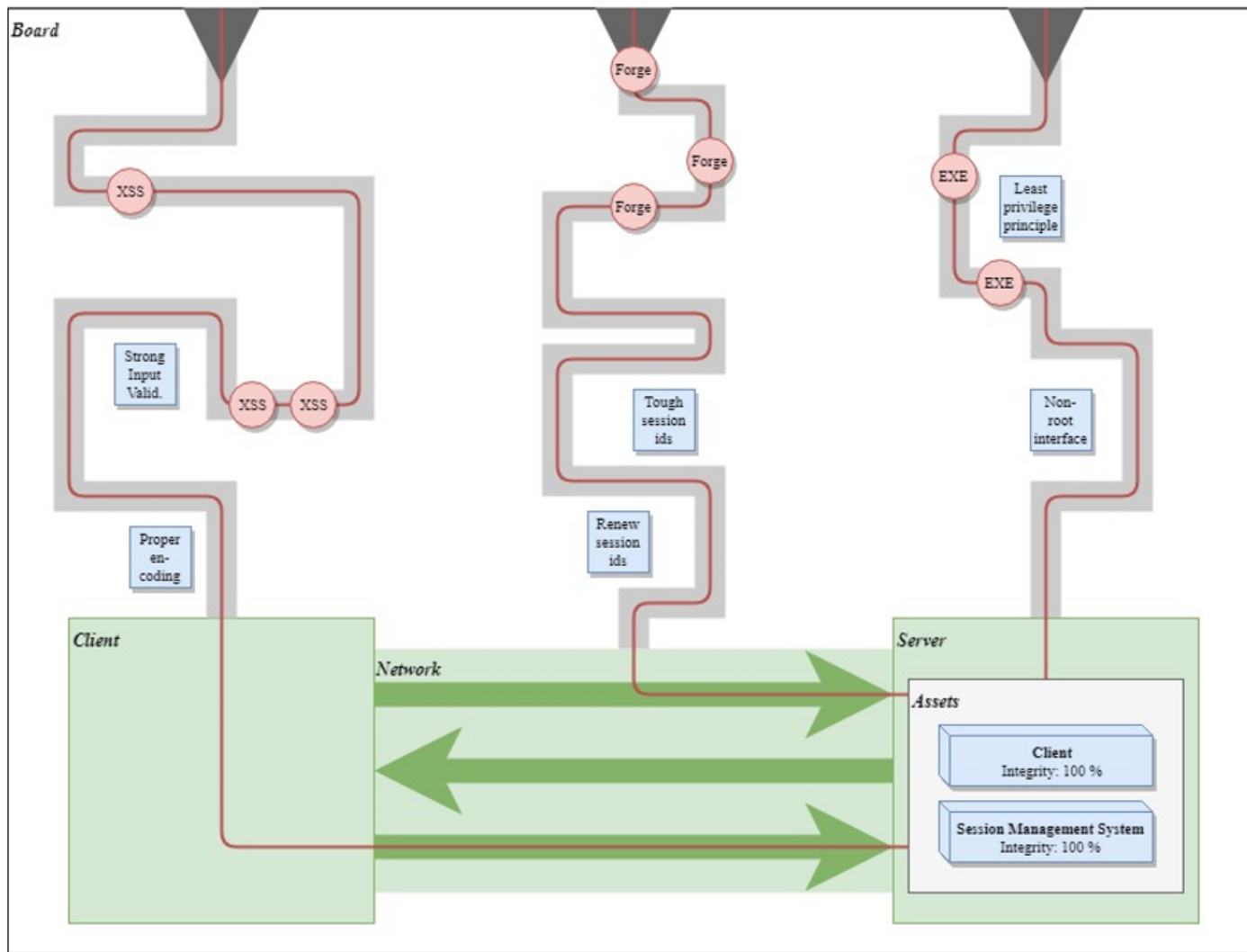
Research focuses

- Engineering AI
- AI for engineering
- Software engineering and Security

DevSecOps



Security education game



Open Data Search & Analysis

