

DESN 3035 - Fall 2024

Recordings

<https://www.ncbi.nlm.nih.gov/nucl/214582181>

Slides

Basic toolings

W1

- Deployment as cultural movement
- Briefly on the rise of DevOps; words and ideas
- Git and GitLab

W2

- Networking basics and web hosting
- Brief history of JavaScript
- Library ecosystem with npm

Collaboration

W3

- Recent history of information sharing
- Modern API and types of web mashups
- Introduction to information architecture

W4

- Agile methodology and sprints
- Corporate teamwork, past and present
- Technology review and catch-up

Automation and continuous integration

W6

- Online communities and real-world impacts
- From individuals to teams
- Peripheral concepts in JavaScript frameworks

W7

- Two sides of computer hacking
- Risks and challenges in modern systems
- Automated software testing

[Intercession]

W9

- Tools as accelerator of culture
- Towards cross-platform development
- Technology review and catch-up

Beyond DevOps

W11

- Briefly on design thinking
- Case study in collaboration challenges
- Web and the future of apps

W12

- Visualization, static to interactive
- Towards tangible computing
- Brief history of computer simulation

W13

- Celebrating our newfound skills and honing our crafts
- Devops: misconceptions and anti-patterns
- Teaser: Data Design and Development

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