

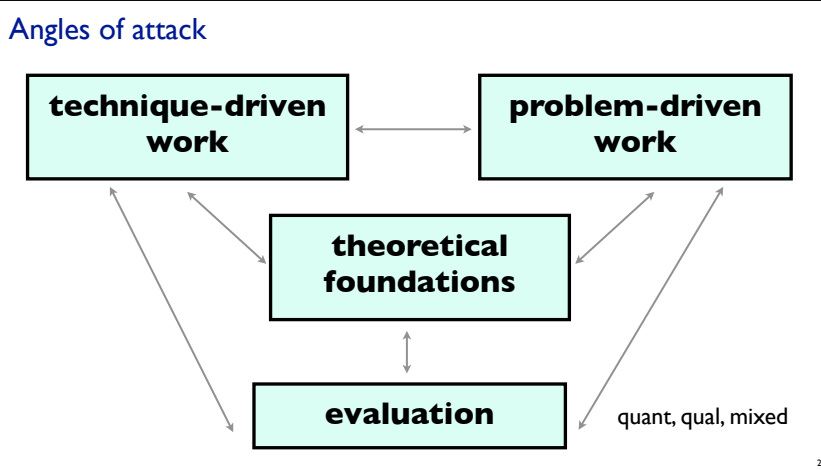
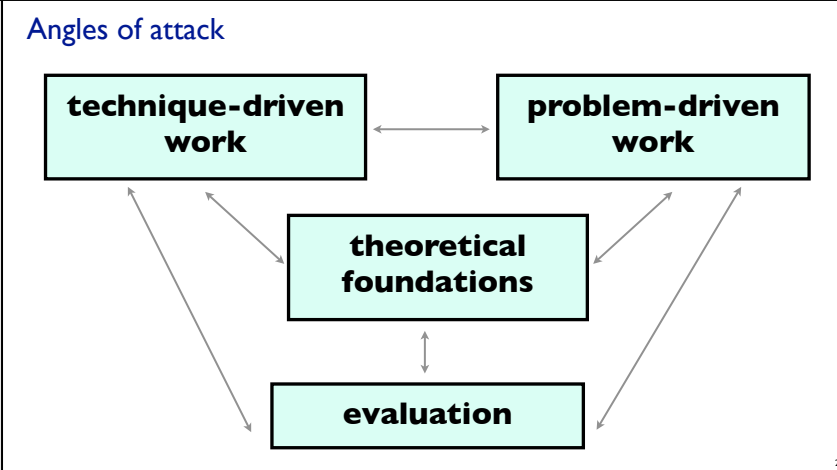
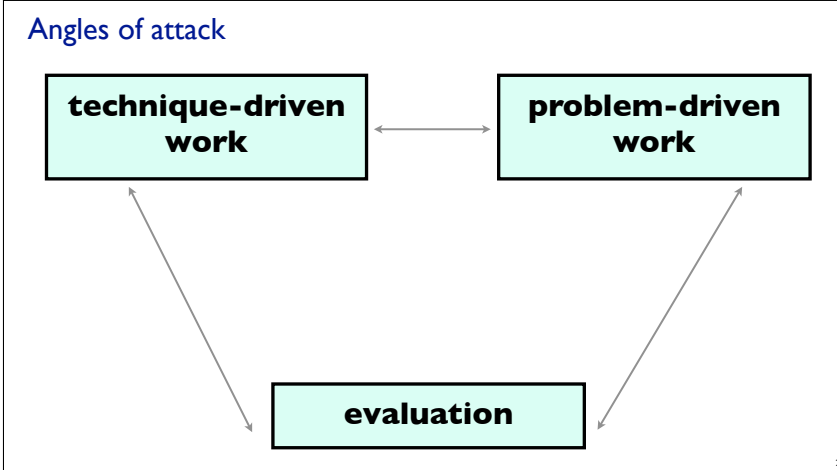
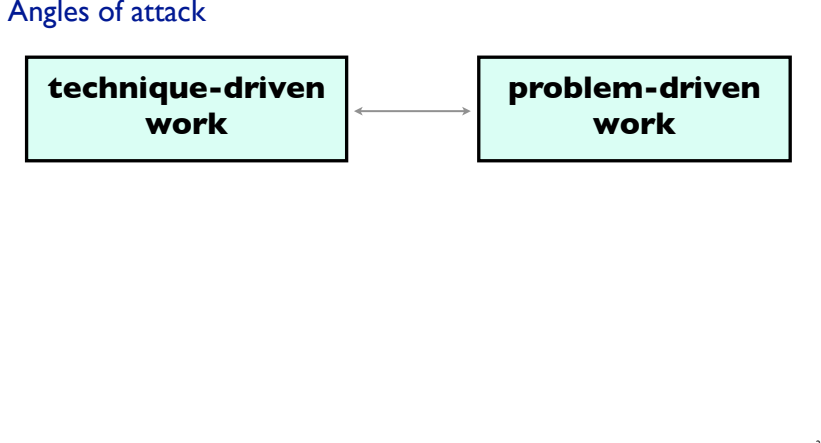
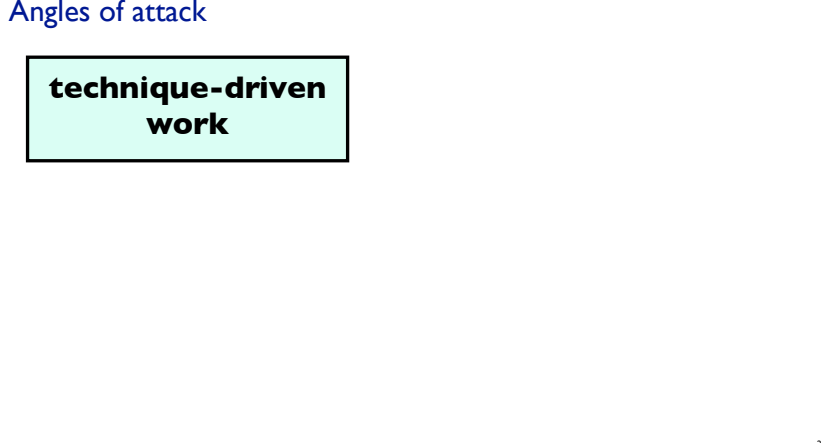
InfoVis Group Intro

Tamara Munzner
 Department of Computer Science
 University of British Columbia

Grad Orientation CS 101
 5 Sep 2023

<http://www.cs.ubc.ca/~tmm/talks.html#gradOrient23>

@tamaramunzner
 @tamara@vis.social



Technique-driven: Graph/tree drawing

- graph layouts
- graph metrics
- current:
 - Spinospectrum visual encoding & data abstractions (Matt Oddo)

<https://youtu.be/2SLcz7KNIJw>

Technique-driven: Dimensionality reduction

Stephen Ingram

Glimmer

Glint

QSNE

DimStiller

Technique-driven: Recommenders

Anamaria Crisan

Michael Oppermann

Robert Kincaid (Tableau)

GEViTRec

Data Recon

<https://youtu.be/SRAWFr4tBJA>

<https://youtu.be/7-Tv4m-1bVY>

VizCommitter

VizSnippets

Curation of ML output

Matt Brehmer

Johanna Fulda

Zipeng Liu

Jürgen Bernard

Anamaria Crisan

Yang Wang (Uber/Facebook)

Adjutant

TimeLine Curator

<https://vimeo.com/123246662>

CorGIE

<https://youtu.be/QMF50aNHKI>

Problem-driven: design studies

- log & provenance data, clickstreams
 - current: prov for intrusion detection & program comprehension (Francis Nguyen)
- genomics & medicine
 - current: personal health stories (Ryan Smith)
- sustainability: energy, fisheries
- data journalism
 - current: deep time museum exhibit (Mara Solen)
- many others: always opportunistic!

Segmentier

<https://youtu.be/TobYDFelSOg>

Kimberly Dextras-Romagnino

Theoretical foundations: Models & methods

Heidi Lam (Tableau)

Melanie Tory (Tableau)

Anamaria Crisan

Michael Sedlmair

Miriah Meyer

Michael Oppermann

Design Study Methodology

Regulatory & Organizational Constraints

Data-First Design Studies

Theoretical foundations: Typologies

Matt Brehmer

Ana Crisan

Steve Kasica

Bongshin Lee (Microsoft)

Benjamin Bach (Microsoft)

Nathalie Henry-Riche (Microsoft)

Abstract Tasks

GEViT: Genomic Epidemiology Viz Typology

TableScraps

Timelines Revisited

[timelinesrevisited.github.io/](https://github.com/tmm/timelinesrevisited)

InfoVis Group

- papers, videos, software, talks, courses
 - <http://www.cs.ubc.ca/group/infovis>
 - <http://www.cs.ubc.ca/~tmm>
- no grad course (547) until Sep 2025
 - ugrad course 447, Sep 2023
 - sabbatical, Jan-Dec 2024
 - ugrad course 447, Jan 2025

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