

# Visualizing Large Pedigree Charts in 3D Space

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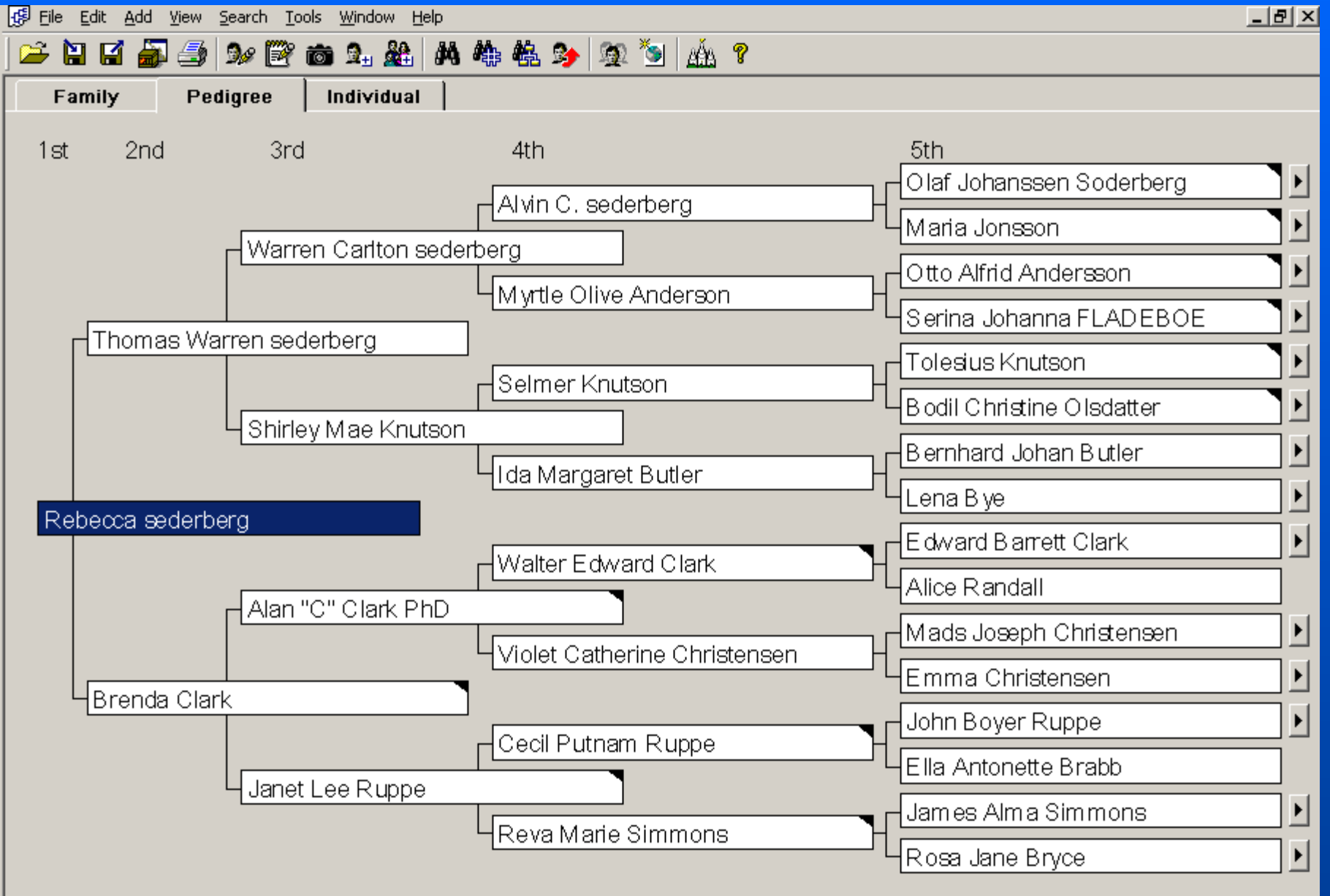
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# Motivations

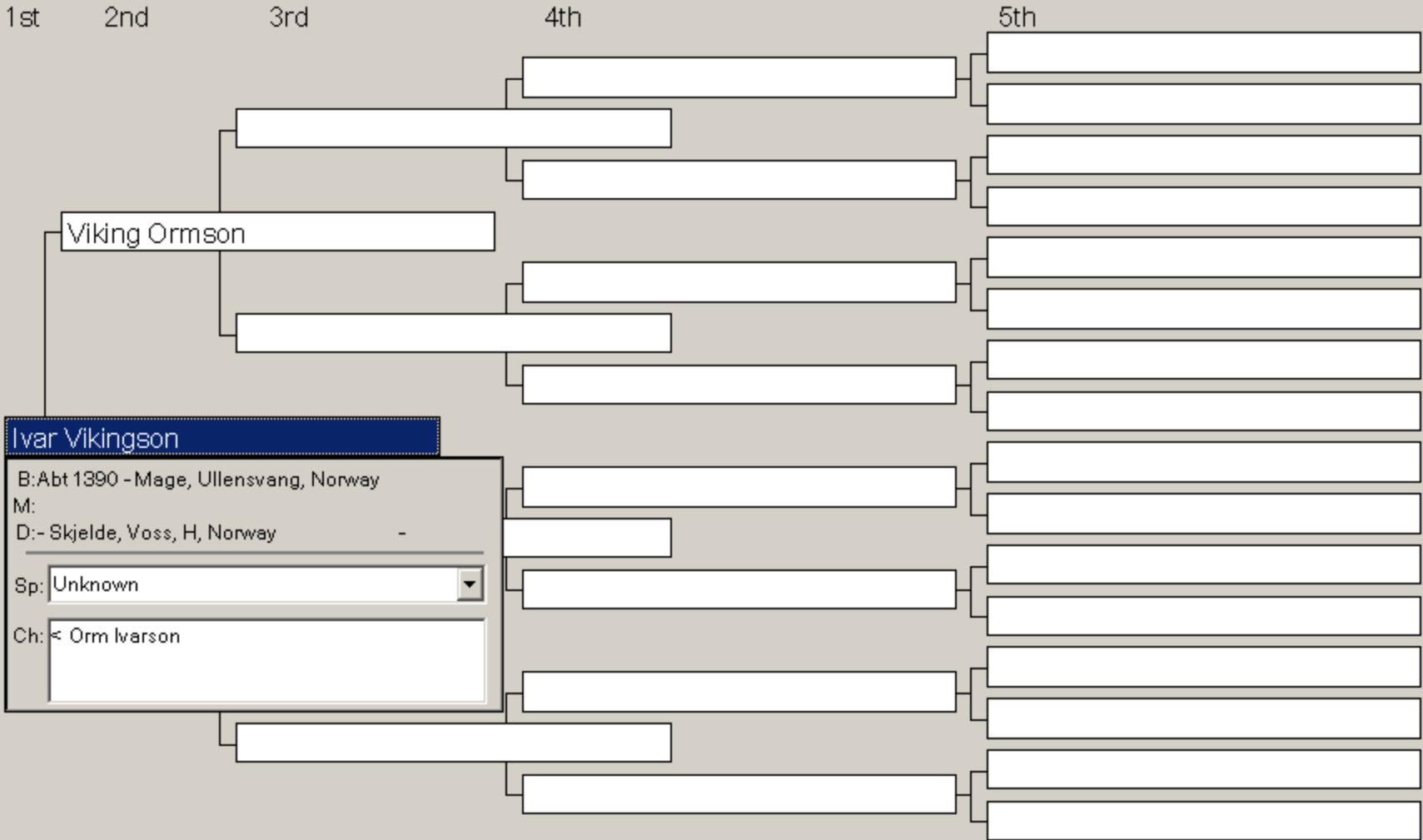
There are many personal genealogy management programs that are well-equipped to handle small datasets. As genealogical databases grow in size, how do you visualize, navigate and manage them?

- How do you navigate a tree that has 50+ generations?





Family Pedigree Individual



Ivar Vikingson

B: Abt 1390 - Mage, Ullensvang, Norway  
M:  
D: - Skjelde, Voss, H, Norway -  
Sp: Unknown  
Ch: < Orm Ivarson



Descendancy List

Name	Birth/*Chr Date	Death/*Bur Date
Ivar Vikingson	Abt 1390	
UNKNOWN		
← Orm Ivarson	Abt 1415	Aft 1478
Gyrid Bardsdatter	Abt 1420	Aft 1497
Ivar Ormson	Abt 1440	
Ingerid Ormsdatter	Abt 1443	Aft 1538
Astrid Ormsdatter	Abt 1447	
← Gudrun Ormsdatter	Abt 1450	Aft 1519

OK Cancel Previous Next Help

Vertical list of empty input fields for data entry.

File Edit Add View Search Tools Window Help

Relationship Calculator

**Family**

1st 2nd

Viking

Ivar Vikings

Holmf

**First Person**

Line of Descent to Common Ancestor

Ivar Vikingson	b.1390
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Ivar Vikingson  
 RIN: 1239 Sex: M b.1390  
 Father: Viking Ormson  
 Mother: Holmfrid Palsdatter  
 Spouse:  
 Spouse:

**Second Person**

Line of Descent to Common Ancestor

Rebecca sederberg	b.1979
Thomas Warren sederberg	b.1951
Warren Carlton sederberg	b.1927
Myrtle Olive Anderson	b.1900
Serina Johanna FLADEBOE	b.1874
Ole Olsen FLADEROF	b.1835

Rebecca sederberg  
 RIN: 1433 Sex: F b.1979  
 Father: Thomas Warren sederberg  
 Mother: Brenda Clark  
 Spouse:  
 Spouse:

**Relationships**

Common Ancestors

Ivar Vikingson	17GGF
Ivar Vikingson	16GGF

Ivar Vikingson is the 17th great grandfather of Rebecca sederberg.

Merge Individuals ? X

Individual Information | **Marriage Information** | Family Information

Primary Individual - 160 Find Edit

Hans Abrahamson  
B: 20 Oct 1827    Verket, Sondeled, A, Norway  
C: 28 Oct 1827    Verket, Sondeled, A, Norway  
D:  
B:  
AFN:                      Sex: M    LMD: 4 Apr 2002

Baptism: 27 Jul 1977    WASHI  
Endowed: 18 Jan 1978    WASHI  
SealPar: 24 Jan 1978    WASHI

Father: Abraham Pederson  
Mother: Asper Olsdatter

Spouse: Stine Sorensdatter  
Spouse:  
Spouse:

Duplicate Individual - 1244 Find Edit

Hans Abrahamson  
B:  30 Sep 1833     Verket, S, AA, Norway  
C:                         
D:                         
B:                         
AFN:                       Sex:  M    LMD: 4 Apr 2002

Baptism:  27 Jul 1977    WASHI  
Endowed:  17 Jan 1978    WASHI  
SealPar:  24 Jan 1978    WASHI

Father: Abraham Pederson  
Mother: Asper Olsdatter

Spouse:  
Spouse:  
Spouse:

Select All Clear All

Merge < Switch > Next Match Previous Options... Close Help

# The Problem

Insufficient context while:

- Navigating
- Merging
- Correcting errors

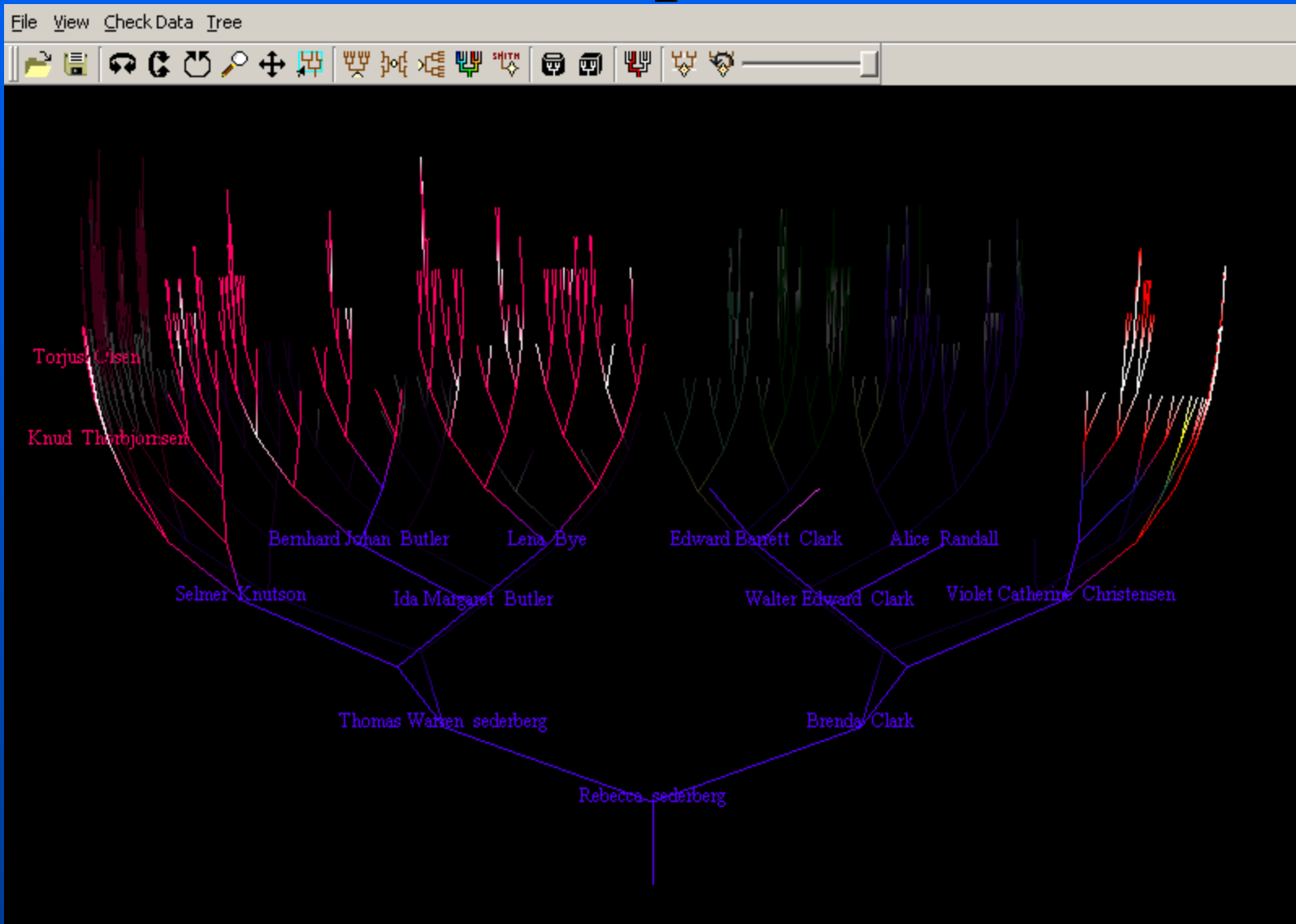




# A Possible Solution

- Define a person of interest and display the most information about them, then decrease the amount of information displayed for people who are farther away.
- Give the user more context by showing information about everyone in the graph.
- Take better advantage of the computer's abilities to display information dynamically, to display more information at a time.

# Gena: An Implementation



# Future Work

- Simplify interface
- Add ability to merge
- Improve ability to check for errors
- Improve information display (granularity)
- Hourglass view