### How to write a PhD Thesis

#### What Kind of Life?
- Family
- Fun
- Power
- Money
- Scholarship

#### Picking a Problem
- Simple to state
- No obvious solution
- Clear benefit
- Progress is testable
- Can be broken into small steps

#### Scholar
- Scholarship
- Service
- Students

#### Don’t pick too easy a problem

#### Picking a specialty
- Religion
- Arts
- Literature
- Science
- Surfing

#### My example
- How do you know?
- Scalable systems

#### The Social Contract
- Surfing vs Software

#### Find your muse
How to write a Thesis: Process

1. Pick a faculty member rich & famous, Sympathetic
2. Chat with advisor about what interests you
   (or hard problem)
   Adviser will not help much
   if not interested in problem
3. Get 5 titles
4. Use adviser & fight against
   worst in your field
5. Ask around
6. This part is harder than
   You think.
   Think of the thesis:
   thesis of the thesis:
   1: Introduction
   2: Background
   3: Thesis
   4: Results
   5: Conclusion
   6: Write up
Get feedback:
Send 3, 4 to committee
and they'll comment:
"It's not gonna work."
"Do this."
"Do that."
"That's good!"
"It needs work."
"That's it."
7. Study New Yearically
   This is research
   Master thesis
   details