

# **Roadmap to Computing Topic: Software Engineering**

Our next Roadmap Topic is 'Software Engineering.' The introductory talk is at

<http://vimeo.com/16836888>

Below are suggested related topics for research reports. There are many other possible topics. Whichever topic you choose, in addition to identifying and presenting as precisely as possible the core concept of the topic, you may explore its development, social impact, and related controversies, both technical and social/political. If you choose a person, your report and presentation should focus on the contributions of the person to the topic at hand and present biography only as background.

Buffer overflow  
Design pattern  
Ethical hacking  
Extreme programming  
Frederick Brooks  
Kent Beck  
Mythical man month  
quality assurance/debugging  
Requirements engineering  
SATAN  
Software architecture  
Software design specification  
Software life cycle  
Software project management  
Software prototyping  
Software rejuvenation  
Types of software bugs  
Unit testing



ERROR: typecheck  
OFFENDING COMMAND: restore

STACK:

-null-  
-null-