



# ETHICS AND PROFESSIONAL RESPONSIBILITY FOR CS & SE

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JUNE 21ST 2022



# JUST A LITTLE ABOUT ME

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- Vice President of Engineering at Dottid
- Adjunct Professor of Computer Science at Southern Methodist University (SMU)
- Part-time Lecturer at the University of Texas at Dallas (UTD)
- Held a number of different roles in various companies
- Graduated from UTD in 2011 with a PhD in Software Engineering under Dr. Wong!

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# THE NEED FOR SUCH DISCUSSION(S)

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- Explosive growth of technology puts old problems in new contexts
- Benefits and increased convenience has costs/consequences
- Sense of responsibility at multiple levels
  - To yourself, to an organization, to an employer, to the general public?
  - <https://policy.utdallas.edu/utdsp5003>
  - <https://www.acm.org/code-of-ethics>
- A very motivating example:
  - <https://www.bbc.com/news/business-41053740>
  - [https://www.youtube.com/watch?v=V7tRWuXIOak&ab\\_channel=ConFooDeveloperConference](https://www.youtube.com/watch?v=V7tRWuXIOak&ab_channel=ConFooDeveloperConference)

# COMMON THEMES

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- The criteria for making personal choices, for making policies for businesses and organizations, and for writing laws are fundamentally different
- Controversy and tradeoffs are part of it
  - For example: increasing privacy and security often results in a perceived lack of convenience
- Not as simple as a binary classification of bad/good or right/wrong

# SO MANY IMPORTANT TOPICS

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- Security
- Privacy
- Law?
- Copyright/Patents/Trademarks (<https://www.freepatentsonline.com/10728364.html>)
- Service Level Agreements
- The Cloud
- ....much much more

# FUN RESOURCES

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- TED Talks - What FACEBOOK And GOOGLE Are Hiding From The World - The Filter Bubble ([https://www.youtube.com/watch?v=p6vM4dhI9l8&ab\\_channel=ScottMcLeod](https://www.youtube.com/watch?v=p6vM4dhI9l8&ab_channel=ScottMcLeod))
- United States Patent and Trademark Office (<https://www.uspto.gov/>)
- How Algorithms shape our world (<https://www.youtube.com/watch?v=ENWVRcMGDoU>)
- Interesting story about Verizon
  - <https://www.upguard.com/breaches/verizon-cloud-leak>
  - <http://www.verizon.com/about/news/verizon-responds-report-confirms-no-loss-or-theft-customer-information>
  - <https://www.verizon.com/business/resources/reports/dbir/>



**THANK YOU**

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QUESTIONS?

