ETHICS AND PROFESSIONAL RESPONSIBILITY FOR CS & SE

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JUST A LITTLE ABOUT ME

• 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)

• 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://policy.utdallas.edu/utdsp5003)
  • [https://www.acm.org/code-of-ethics](https://www.acm.org/code-of-ethics)
• A very motivating example:
  • [https://www.youtube.com/watch?v=V7tRWuXIOak&ab_channel=ConFooDeveloperConference](https://www.youtube.com/watch?v=V7tRWuXIOak&ab_channel=ConFooDeveloperConference)
COMMON THEMES

- 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

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

• TED Talks - What FACEBOOK And GOOGLE Are Hiding From The World - The Filter Bubble (https://www.youtube.com/watch?v=p6vM4dhI9I8&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

QUESTIONS?