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## Scott Ksander

[ksander@purdue.edu](mailto:ksander@purdue.edu)



- 40+ years in the IT field, 26 years at Purdue
- Wrote his first program (FORTRAN) when he was in 5<sup>th</sup> grade. Purdue degree in Computer Science.
- Areas of interest – systems development, networking, security
- In retirement, Scott writes a technology column for the Purdue Retirees Newsletter and does presentations for the Purdue Women's Club
- Scott and Peggy enjoy life with their kids and grandkids – especially on trips to DisneyWorld (next trip June '23. Planning in full swing.)
- Scott grew up in Chicago and Peggy grew up in Fish Lake, Indiana (city boy meets farm girl at Purdue story – and the adventure continues ...)

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## Current Topics

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- Microsoft Copilot (AI product)
- Integrated within Microsoft 365 apps (Word, Excel, etc.)
- Can site sources, create poems, write lyrics and music
- Replaces Cortana and more
- Built on OpenAI's GPT-4
- Copilot Pro launched for \$20/mnth



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## Current Topic

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- "Alexa, warm up my toilet"
- Introduced at CES 2024
- Kohler's full set of "smart bathroom" items
  - SpaViva hand shower
  - Anthem+ Smart Showering Controls
  - Atmo Fan with improved air quality
  - PureWash Bidet Seat
  - Rista 3-D printed sink



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## Current Topics

- Alexa gets new AI skills
  - Create characters
    - Pre-built characters like Librarian Linda
    - “Alexa, open Chacter.ai”
  - New 20-question game
    - “Alexa, open Volley Games”
  - Splash
    - Create songs from scratch
    - Pick genre and general description
    - “Alexa, open Slash Music”



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## Current Topics

- New Android Features from Google
  - Quick Share (improvements on Nearby Share)
  - Fast Pair for Bluetooth headphones
  - Casting to more apps and devices
  - More interoperability with Matter (home automation)
  - Android Auto coming to Ford, Nissan, Lincoln and others



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## Current Topics

- “Odd” New Products at CES
  - PlantPetz (AI smart flowerpot)
  - Perfeta Grill (AI enable grill)
  - Samsung’s Ballie (stalker robot watches you sleep)
  - Oclean Ultra X (AI voice smart toothbrush)



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## Current Topics

- Reports of Malware Infected Smart Toothbrushes
  - 3-million-unit botnet used for DDOS
  - Causes millions of Euros in damage to Swiss company’s website
  - Compromise feature was designed to “track and improve oral hygiene”
  - No details provided by Swiss cybersecurity firm
- Seems hard to believe .....



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## How Long Does Tech Last?

- Most warranties are 3 years
- Average life is 5-6 years
- Moving parts
  - Power supply fan (noisy or stops)
  - Rotating mass storage (old disk drive)



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## Why Replace Older Technology?

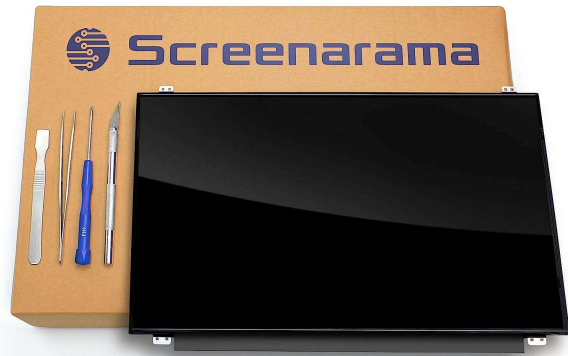
- Warranty is up
- Security issues (rare for an entire device)
- More Speed
- Accessory issues (charger most often)
- Battery life
- Unable to run newer application
- Running out of "space"
- Noisy

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## Broken Screen

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- Most replacement laptop screens less than \$100.
- Check YouTube for replacement video
- Generally medium difficulty

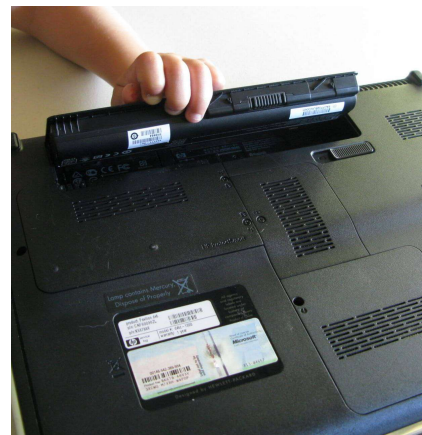


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## Replacing Laptop Battery

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- Replacement batteries are generally \$50-\$80
- Easy procedure (check YouTube)
- Will not speed anything up but will increase available runtime on battery



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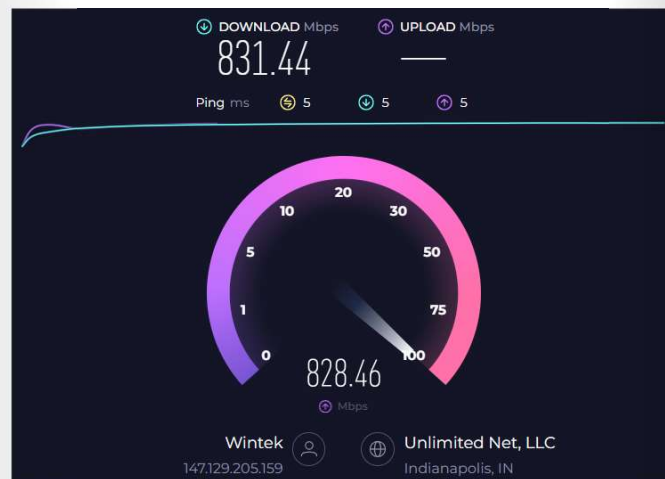
## Why Is My System SLOW?

- Memory (8GB recommended, may be upgradeable)
- Slower disk drive (move to Solid State Drive/SSD)
- CPU speed rarely a factor
- Internet/ISP or Wi-Fi connection speed

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## Speedtest.net

Try both wired and wireless, if possible



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## Memory Upgrade

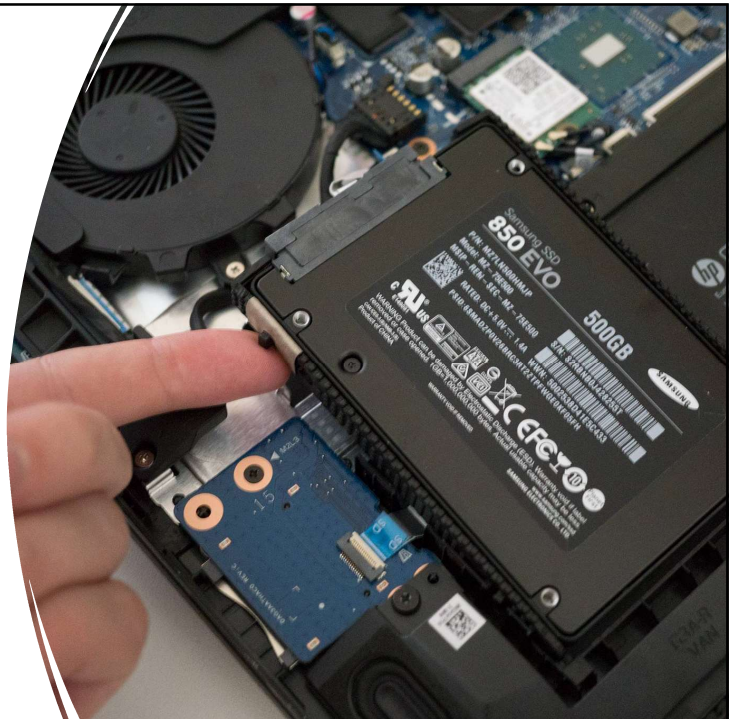
- Check options ([www.crucial.com](http://www.crucial.com))
- Cost vary widely based on models
- Procedures available on YouTube



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## Updating to SSD

- Hardware upgrade can be relatively easy
- Moving files and apps more difficult
- Drive costs are \$75-\$100
- Labor should be \$100-ish for "cloning" (don't just "move files")



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**"IF WE SACRIFICE A FEW LUXURIES LIKE FOOD, CLOTHING, AND SHELTER, WE CAN AFFORD NECESSITIES LIKE A FASTER COMPUTER AND BIGGER MONITOR."**