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Prolific open source developer Nick Black, designer of Notcurses, introduces character graphics and Text User Interface design. The examples use the modern Notcurses library, but many of the lessons are applicable to TUI programming using NCURSES or Newt. Topics include the history of terminals, Unicode (current through 2020's Unicode 13.0), handling input from keyboards and mice, effective use of 24-bit DirectColor, 8-bit palette-indexed pseudocolor, and α -blending, images and streaming video, construction of reusable TUI widgets, and more. These concepts are developed with thorough examples. All code is available online from the book's GitHub repository.



notcu

Nick Black holds a fistful of degrees from the Georgia Institute of Technology. Besides toiling in the code mines of NVIDIA and Google, he has contributed to over 100 open source projects, and done a few startups.

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88      88      ,d      88
88      88      88      88
88      ,adPPYba, 88 8b,dPPYba, MM88MM      ,adPPYba, 8b,dPPYba, 88      ,adPPYba,
88      88P'    `8a 88      "      `Y8 88P'    `8a 88  a8"      "
0.00s trans      88 88      88 88      ,adPPPP88 88      88 88 8b
3.05s intro      88 88      88 88      88,      88      88 88 "8a,      ,aa
2.93s xray      88 88      88 "Y888      `8bbdP`Y8 88      88 88 ` "Ybbd8"
888P

```