UCSD Pascal in Education: A Personal Perspective

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UCSD Pascal at UC Irvine

- Terak ('78) $\rightarrow$ MicroEngine ('81) $\rightarrow$ PC ('83)
- Alternative to BASIC $\rightarrow$ Replace BASIC
- 18 students $\rightarrow$ 1000 students/year
- Dennis Volper
- Keller Plan Mastery Learning
- A-quizzes, P-quizzes, Booker
- Bowles’ “Microcomputer: Problem Solving with PASCAL”
Implementing CAI with UCSD Pascal

• Alfred Bork, UC Irvine Educational Technology Center
• Great Group of Students and Colleagues
  – Augusto Chiocariello, Martin Katz, Barry Kurtz, Alastair Milne, Tim Shimeall, David Trowbridge
• Bertand Ibrahim, Bernard Levrat, University of Geneva
• IBM Scientific Reasoning Series
• UCSD Pascal Units: TextPorts, GraphPorts, KeyedFiles, AnswerAnalysis
Other Education

- Apple ]
- Strings & units
- Borland
- AP CS Exam
- Integrated Computer Systems
  Now: Learning Tree International
Problem Solving with PASCAL

- Turtle Graphics
- Strings
- Procedures Early/First
- Parameters before variables
- QuickSort
Ken Bowles

Recognizing/Seizing/Creating
“Golden Moments”

Hardware
Software
Education
People

Thank you!
References