

JEFFREY GOLD

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CAREER OBJECTIVE

Software Design Engineer

WORK EXPERIENCE

Visual Basic and Advantage Database Developer
EXPERIOR (1998)

- Responsible for graphical user interface design and back-end programming
- Advantage Database Server database design and Client/Server applications
- Responsible for design of data exchange between Experior, Sylvan, and clients

Internet Consultant

UNIVERSITY OF UTAH SEISMOGRAPH STATIONS (1995–1996)

- Responsible for graphical design and consulting on World Wide Web presence concerning regional earthquake hazards

Technical Illustrator

EARTHQUAKE EDUCATION SERVICES, STATE OF UTAH (1996)

- Responsible for technical illustrations for Utah State Science Core Curriculum Activity Packet

Technical Illustrator

KENDALL/HUNT PUBLISHING COMPANY (1994–1995)

- Created 420 technical illustrations for college textbook, *Physics of Hi-Fi: From Analog to Digital*

RESEARCH EXPERIENCE

Research Assistant

UNIVERSITY OF UTAH, DEPARTMENT OF PHYSICS (1988–1996)

- Responsible for design, engineering, construction, and operation of scientific equipment pertaining to thermoacoustics, magnetoencephalography, thin film sputtering, vapor deposition, and high vacuum systems

COMPUTER LANGUAGES AND SYSTEMS

- Programming Languages: Visual Basic, Advantage Database Client/Server applications, HTML, C, C shell programming, some PERL, currently learning JAVA
- Operating Systems: Unix, Unix variants (AIX, IRIX, DECUnix), DOS
- Applications: LaTeX, TeX, MSWord, Adobe PageMaker, Aldus Freehand, Adobe Illustrator, Adobe Photoshop, Adobe Distiller, Adobe Acrobat Reader, InstallShield, BroPlus, MS FoxPro, Netscape Navigator
- Platforms: IBM Risc6000, DECstation 3100, DECalpha, SGI Indigo², Power Macintosh, Windows NT/'95
- Video/Film Systems: SGI Galileo Video System, Sony U-matic 3/4" Editing Bay, Panasonic S-VHS Linear System, Hi-8 Video Editing System

ADDITIONAL TECHNICAL EXPERIENCE

- MESFET fabrication and characterization, Microelectronic Research Centre, Cavendish Laboratories, University of Cambridge
- Si wire fabrication and electronic and phononic characterization (Cambridge)
- Invented multiple mathematical techniques with applications in number theory, cryptography, and linear algebra
- Original research and eight publications in Physics and Mathematics and lectures at nine national conferences as an undergraduate
- Wrote book available on WWW, *Knocking on the Devil's Door: A Naive Introduction to Quantum Mechanics*
- Designed CD case for local thermoplastic injection molding company
- Two inventions listed with the University of Utah Technology Transfer Office
- Invention listed with St. John's Innovation Centre, Cambridge, England
- Invention patent sought with K. W. Nash & Associates, Cambridge, England
- Technical illustrations for doctoral theses, newspaper articles, Earthquake education services, and WWW projects
- Consultant on numerous internet projects for commercial, non-profit and academic clients

EDUCATION

MPhil (Physics) [Pending]
UNIVERSITY OF CAMBRIDGE, CAMBRIDGE, ENGLAND (1997)
Cavendish Laboratory
Microelectronic Research Centre,
Department of Physics

B.Sc. (Physics)
UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH (1996)
Department of Physics
Department of Mathematics (Minor)

SPECIAL SKILLS

- Fluent in German and English
- Quick learning skills
- Problem location and solution finding skills
- Innovative approaches to problems
- Self-starting

* Detailed Curriculum Vitae and References available upon request