
David D Stubbs

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Consultation, training, and collaborative work in three areas:

- Gathering detailed end-user product requirements with primary focus on workplace tasks, usability metrics, and feature and function set details
 - Transforming requirements into concepts, user interface designs, and specifications
 - Evaluating product usability and impact on the workplace
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Employment

1999 TO PRESENT – USABILITY ARCHITECTS, INC., VICE PRES. & PRINCIPAL CONSULTANT

I currently represent Usability Architects, Inc. (UAI), of Kirkland, Washington, as Vice President and Principal Consultant. I provide direct consultation and project work as well as specialized usability and user interface staffing to UAI's industrial and commercial clients in the western United States (www.usability-architects.com). My clients have included TransCore, Hewlett-Packard Company, Intel, Tektronix, NCS Pearson, ASPCA, Bosack-Kruger Foundation, and the Portland-area Tri-County Metropolitan Transportation District (www.trimet.org).

1997 TO 1999 – CONSULTANT

My independent projects included work on Intel consumer products, Hewlett-Packard inkjet printers and business processes, Rain Bird Commercial Division sprinkler controllers and irrigation management software, and various Tektronix instruments.

1993 TO 1997 – TEKTRONIX, CENTRAL ENGINEERING

As manager of the Tektronix Customer-Centered Design group in Tek's Central Engineering organization, I located projects for and supervised assignments of four engineers across Tek's Measurement Business (test and measurement instruments). Prepared budget, staffing, and equipment plans. (www.tek.com)

Created "Engineer in the Wild," a support system and brief ethnography training program for engineers visiting customers to work on their projects for extended periods (1-8 weeks).

As a practitioner in the group, I developed and refined many of the end-user interview methods the group uses to elicit deep work background, detailed product requirements, design and usability issues, and product impact on the workplace. Worked as full member of product development teams from earliest concept development stages through the first several weeks of product shipping.

1991 TO 1993 – TEKTRONIX, MEASUREMENT DIVISION

When TekLabs closed, I was reassigned as a Senior Software Engineer in the Measurement Division to lead user interface development for a portable oscilloscope implementation project.

1985 TO 1991 – TEKTRONIX, TEKLABS

I advanced from Software Engineer III to Principal Engineer during my time in the Electronic Systems Laboratory. Reorganized into the Computer Research Lab and later into the User Interface Research Lab. Developed prototype software tools for automated test software development and secured five patents for visual instrument system programming techniques.

1976 TO 1985 – TEKTRONIX, MEASUREMENT SYSTEMS DIVISION

I was hired into Tektronix as a Software Engineer I to work on an assembly language Basic interpreter project for instrument control and signal processing.

1974 TO 1976 – KEY DATA, PORTLAND, OREGON

Hired from the Portland State University Scientific Computer Center, I was a mini-computer programmer (Fortran, assembly, and RPG II) and worked on four database applications with senior staff.

Professional Activities

I have been a member of the international Association for Computing Machinery (ACM) and worked for its special interest group on computer-human interaction (SIGCHI) since 1986. I served as audio-visual chairman for three of the SIG's major conferences, CHI'90 (Seattle), CHI'91 (New Orleans), and INTERCHI'93 (Amsterdam, The Netherlands) supporting the 200+ technical presenters and conference staff with presentation equipment and professional personnel. (www.acm.org, www.acm.org/sigchi)

I am past executive director and program chair for CHIFOO, the Computer-Human Interaction Forum Of Oregon (a local chapter of ACM/SIGCHI) (www.chifoo.org). I am currently a "member-at-large" assisting the board as needed.

Co-presenter of "Usability and Product Development" at the 52nd Annual Conference of the Society for Technical Communication, May 2005; and for CHIFOO, September 2005.

Education

BS in History from Portland State University (1974) and have a number of graduate-level computer science, AI, and software management courses through the Oregon Graduate Institute.

References

- **Peter Hildebrandt**, Director of Research and Development, Director of Product Management, PolyVision Corporation, a Steelcase company, Norcross, Georgia. +1.800.631.4514 x1262.
- **Leo Frishberg**, User Experience Architect, Logic Analyzer Product Line, Tektronix, Inc., Beaverton, Oregon. +1.503.627.2833.
- **Pamela Adams**, Senior Human Factors Engineer, HP Labs, Hewlett-Packard Company, Vancouver, Washington. +1.360.212.2854.
- **Mark Stempski**, User Experience Research & Design Engineer, SQL Server Group, Microsoft, Redmond, Washington. +1.425.722.8366.

A detailed resume is available upon request.