

Samuel Herschbein

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Qualifications

- 40 years of IT experience with diverse platforms, operating systems, and networks. Includes UNIX/Linux, Macintosh, Windows, and Cisco.
- Secure network design & implementation, from home to large-scale, including wired, wireless, fiber, and firewall/VPN.
- 34 years of Mac expertise, including integrating Macs into multi-platform environments.
- 27 years of FileMaker relational database development.
- Complete website development, including design, layout, graphics, and content.
- Software development including real-time multi-tasked systems.
- Problem solving skills include using common sense, informed analysis and logical decision-making. Crisis management skills include transforming reactionary operations into productive stability.
- Communication skills include user interaction, training, and technical writing.
- Management of multi-person, multi-platform, IT departments.

Education

B.S., Computer Science, University of Washington, 3.8 GPA.

Employment Summary

IT Consultant

2002-Present

- Full IT support for business and home clients using Windows and Mac.
- Secure HIPAA compliant network design, installation, and administration.
- FileMaker database development.
- Complete website development. Developed a JavaScript menu system which worked pixel-perfect until site rebuilt.
- Desktop Publishing including graphics design, page layout, pre-press, etc. Produced a brochure for a group at U. Washington, from start to published product.

Senior Computer Specialist, University of Washington, Seattle, WA

2008-2018

University of Washington Engineered Biomaterials

- Single person IT support across multiple platforms.
- Full administrative responsibility for desktops, laptops, and servers.
- Multi-platform environment including Windows, Mac, and UNIX.
- Complete website development, including design, layout, graphics, and content.

Software Engineer, University of Washington, Seattle, WA

2009-2014

Bill & Melinda Gates Foundation Micronutrient Grant

- Includes the responsibilities listed in Senior Computer Specialist above.
- Develop software for Microsoft Windows 8.1 and Apple iOS.

Acting Director of IT/Senior Information Technologist,

The Institute for Systems Biology, Seattle, WA

2000-2002

Non-profit research institute researching genetics, proteomics, and systems biology

- Performed Director of IT duties for department with 7 FTEs and ≈\$1M budget.
- Overhauled IT from reactive “triage” to proactive stability in ≈ three months.
- Planned and executed IT move to new building. All major IT services, including a Gigabit network, were down for under 4 hours.
- Upgraded original Internet connection from DSL to Gigabit Internet and rewired building’s network, improving reliability to ≈100%.
- Setup Cisco firewalls, bridges, and switches using fiber, 100BaseT, and T-1.
- Implemented multi-platform backup systems, including a robotic tape system.
- IT resources included Sun enterprise servers, ≈200 PCs running Windows & Linux, and ≈70 Macs.

Software Engineer, University of Washington, Seattle, WA

1988-2000

Chemical Engineering, Bioengineering, Surface Science, UW Engineered Biomaterials

- Single person IT Support for two departments and several NIH/NSF funded grants, including Chemical Eng., Bioengineering, NESAC/BIO, and UWEB.
- Multi-platform environments include Windows, Mac, UNIX, and Vax.
- Complete website development, including design, layout, graphics, and content.
- Created publications, including brochure, stationery, business cards, poster displays, and graphics for scientific research publications.
- Developed relational databases using FileMaker.
- Responsible for undergraduate computer lab and training. Lectured classes of ≈100 students, taught workshops, and authored tutorials and quick references.

Contract Programmer, Anesoft Corporation, Issaquah, WA

1996

Developer of medical training simulation software

- Developed commercial Macintosh software for an Advanced Cardiac Life Support Simulator used to train medical professionals. This application ran “real-time”, displaying ECG plots and updating patient condition.
- Responsible for a majority of the coding, including the GUI design and consolidation of the cardiac model into the application.
- Product shipped on schedule; no bugs were ever reported!