

# GWEN S. PECH

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## SYSTEMS ADMINISTRATOR | VISUALIZATION PRO | ENTREPRENEUR

*Proven Success in Systems, Networks, High-Performance Computing, Visualization, and Customer Support Solutions*

**Experienced systems administrator** who has managed many large and small installations which included a mix of Unixes, Linux, Windows and Mac OS platforms.

**Visualization pioneer** that has worked for many years in providing innovative solutions.

**Entrepreneur** who who understands the many facets of making a startup company successful. Applies a “can-do” attitude to difficult situations. Excellent communicator and relationship builder who is dedicated to seeing the job done right.

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### SKILLS

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| <input type="checkbox"/> LAN/WAN Administration            | <input type="checkbox"/> Technical Support                                | <input type="checkbox"/> Documentation & Video Development |
| <input type="checkbox"/> Agile Project Management          | <input type="checkbox"/> Audio/Visual Support                             | <input type="checkbox"/> Classroom Training                |
| <input type="checkbox"/> Immersive & Desktop Visualization | <input type="checkbox"/> Systems Specification, Acquisition, Installation | <input type="checkbox"/> Tradeshow & Exhibition Logistics  |
| <input type="checkbox"/> Team Management                   | <input type="checkbox"/> Network Security                                 |  |

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### PROFESSIONAL EXPERIENCE

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#### CGG GEOSOFTWARE — Broomfield, CO ■ 2014 to 2017

**Technical Communication Specialist:** Provided software support for InsightEarth advanced seismic interpretation software, including creation and delivery of training materials for both internal and external clients, technical and user documentation, training videos, and responding to user questions using a trouble-ticket system. Provided audio/visual and telecomm support. Co-directed industry research consortium to improve visualization and usability of InsightEarth. Participated on Agile development team and assisted with testing. Gave presentations at both energy industry meetings (SEG & AAPG) and at HP’s Oil & Gas Advisory Committee meeting. Coordinated move and IT setup for unexpected office relocation in Summer 2016. Appointed site HSE manager in 2016.

#### **Key Contributions:**

- Marketing:** Created language and images for Marketing staff
- Training:** Created and updated InsightEarth training materials and developed new videos
- R&D:** Worked with research consortium members, developing seismic interpretation solutions
- Support:** Provided support for InsightEarth users, including hardware/graphics solutions
- Agile Team:** Attended daily stand-up/Sprint Review/Sprint pre-Planning/Sprint Planning
- IT Support:** Provided as needed for this small group as contained within a large organization

### **TERRASPARK GEOSCIENCES** — Westminster, CO ■ 2006 to 2014

In TerraSpark's progression from a basement startup company as spun out from the University of Colorado, through capital investment, to its successful acquisition, several roles were filled:

**VP of Innovation (2012 – 2014):** Developed new approaches to solve difficult seismic interpretation challenges. Joined Agile Development team. Planned and gave presentations at energy industry and high-performance computing events.

**VP of IT, Sr. Seismic Interpretation Specialist (2010 – 2012):** Performed seismic interpretation at client sites. Supported hardware & software, including international users' installations. Planned and executed industry tradeshow exhibitions. Presented talks at exhibitions and industry research events. Hired and managed a Sr. Systems Administrator.

**Sr. Systems Administrator (2006 – 2010):** Supported hardware & software in a variety of setups. Also provided accounting functionality, administrative tasks, human resource interface, insurance coverage compliance, federal/state/local regulation compliance, tradeshow/exhibition design and execution, projection and A/V support, budgeting support, marketing support, extensive software testing, and software training/pre-sales support via individual and group presentations. Assisted with generation and implementation of business plans. Successfully moved GIVC research consortium from University to private industry.

**Co-Founder** of TerraSpark Geosciences, L.P. in January, 2006

#### ***Key Contributions:***

- ❑ **Marketing:** Created language and images for Marketing staff
- ❑ **Documentation/Training:** Created InsightEarth documentation, hired training manager
- ❑ **R&D:** Promoted research consortium to new members to increase both software features & funding
- ❑ **Support:** Provided support for all InsightEarth users, including configuring hardware/graphics solutions
- ❑ **Sales:** Traveled extensively to increase visibility and understanding of the software's capabilities
- ❑ **Business Development:** Nurtured corporate relationships to increase visibility and cooperation

### **BP CENTER FOR VISUALIZATION** — Boulder, CO ■ 2000 to 2005

This research center, established by a donation to the University of Colorado at Boulder as a new system-wide resource, set the path for future innovation:

**Sr. Systems Administrator:** Designed and supervised construction and installation of CAVE-like 3-D Virtual Reality Immersive Visualization Environment, along with the machine room and a satellite visualization site. Maintained motion tracking systems, active/passive stereo projectors and eyewear. Designed and set up secure networking environment, as well as physical access security. Provided demonstrations and outreach to various groups.

#### ***Key Contributions:***

- ❑ **R&D:** Participated in development of GIVC research consortium, recruited new members to increase both software features & funding
- ❑ **Industry Recognition/Service:** Nominated as Visualization Chair for SGI User Group
- ❑ **IT Support:** Supported all computer & network hardware
- ❑ **Marketing:** Designed and built booths for tradeshows, presented talks at international visualization conferences
- ❑ **Consulting:** Assisted with nascent visualization programs at other Universities

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**EARLIER IT EXPERIENCE**

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*Excelled in early IT career, advancing through increasingly responsible roles including:*

University of Oklahoma — Norman, OK	<b>Senior Systems Support Programmer</b>
University of Illinois — Urbana, IL	<b>Manager of System Services</b>
University of Wisconsin — Madison, WI	<b>Research Programmer</b>
Mobil R & D — Princeton, NJ	<b>Systems Administrator</b>
University of Illinois — Urbana, IL	<b>Research Programmer</b>
W.D. Scott & Assoc. — Champaign, IL	<b>Programmer</b>
SuperSoft, Inc. — Champaign, IL	<b>Programmer</b>
Integrated Technologies, Inc. — Champaign, IL	<b>Programmer</b>

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**EDUCATION & PROFESSIONAL AFFILIATIONS**

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**EDUCATION**

Carroll College — Waukesha, WI

**Bachelor of Science in Computer Science / Physics**

University of Illinois at Urbana-Champaign — Urbana, IL  
 Graduate coursework in Computer Science

**PROFESSIONAL AFFILIATIONS**

Association for Computing Machinery (ACM):	<b>SIGGRAPH (Pioneer member), SIGCHI</b>
Society of Exploration Geophysicists (SEG):	<b>Active Member</b>
American Association of Petroleum Geologists (AAPG):	<b>Active Member</b>
European Association of Geoscientists & Engineers (EAGE):	<b>Active Member</b>
Rocky Mountain Association of Geologists (RMAG):	<b>Active Member</b>
Denver Geophysical Society (DGS):	<b>Active Member</b>

***References Available Upon Request***