

Larry Granroth
1844 Hafor Drive
Iowa City, IA 52246

Work Phone: 000-000-0000
Home Phone: 000-000-0000
E-mail: xxxxxxxxxxxxxxxx@xxxxxxxxxx

Education:

The University of Iowa, Iowa City, Iowa
Bachelor of Science with Honors in Physics and Astronomy, 1983
Substantial graduate work in Physics and Computer Science

Work Experience:

The University of Iowa Department of Physics and Astronomy, 1979 - Present

1979 – 1983, Student part time research assistant, Merit staff computer operator

1983 – 1995, Research Programmer

- Developed and maintained software supporting multiple scientific research projects
- Lead programmer for NASA Voyager PWS and Galileo PWS science instruments
- Founding member of NASA Pilot Planetary Data System
- Transitioned data analysis from Univac to VAX to Sun platforms
- Developed near-real-time networked data processing systems for multiple spaceflight projects

1995 – Present, Systems Administrator / Systems Architect

- Designed, implemented, and managed computing infrastructure consisting typically of 100 servers and workstations supporting an internationally renowned space physics program involving typically 20 to 80 local researchers, students, engineers, and world-wide collaborators
- Designed and implemented first departmental web services, including distributed analysis infrastructure
- Configured and managed Sun/Solaris environment, including commercial maintenance contracts
- Designed and implemented follow-on Intel/AMD/Linux infrastructure, including specialized networks, servers, workstations, and heterogeneous personal systems
- Hired, supervised, and supported programming staff and students
- Led major projects for data analysis, data archiving, and innovative data manipulation and display software
- Collaborated with a diverse array of local, national, and international researchers on a wide variety of projects
- Managed security environment for ITAR/EAR compliance
- Managed computing budgets and hardware and software development priorities to best support research
- Made things work

Honors and Awards:

- NASA and ESA Group Achievement Awards, multiple, 1984 – 2018
- Mary Louise Kelly Staff Excellence Award, 2012

Professional Affiliations:

- American Geophysical Union (AGU), Sigma Pi Sigma, and Sigma Xi
- Association for Computing Machinery (ACM) and IEEE Computer Society

References, Publications, Presentations:

- Available on request