

# Alexander D. Pline

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## PROFESSIONAL PROFILE

A team oriented, versatile manager with a diverse background and excellent communication skills. Management experience directing and overseeing small and medium sized development projects. Expertise in:

Project Management ✧ Written and Oral Communications  
Web-based Applications ✧ Software Development

## AREAS OF EXPERTISE

### Project Management

- Software Development Project Manager:
  - Complete life-cycle management for projects, including, planning, budgets, technology, acquisition, execution, training and operations.
  - Managed team of developers to build and integrate applications.
  - Development of an enterprise Web-based portal for the NASA Exploration Systems Integrated Collaborative Environment.
  - Development of an Executive Dashboard using Web services to integrate display of data from program management and engineering tools.
  - Managed development of an XML-based content management system for Exploration Systems Mission Directorate Web site.
  - Managed Web site content/design for multiple NASA Web sites.
  - Coordinated integration of custom software with commercial-off-the-shelf and open source software.
  - Solution lead for development of requirements and software solutions for NASA program customers.
- NASA Science Manager:
  - Managed NASA Fluid Physics Science Program (approximately \$2.5 mil/yr program); Developed program content, program budgets, and managed program review teams.
  - Successfully managed technical development of a two part experiment to study fluid flows in low gravity aboard the Space Shuttle Columbia in 1992 and 1995.
  - Team leader for the Science Operations Team during mission operations in 1992 and 1995.
  - As independent research projects, successfully developed diagnostic measurement techniques for the Surface Tension Driven Convection Experiment which included infrared imaging and particle image velocimetry.

### Communications

- Ability to distill complex technical issues for management and internal/public customers.
- Ability to bridge broad strategic goals and tactical objectives, communicating appropriate background and context to problems, technical concepts and solutions.
- Excellent oral presentation skills: effective use of technology for communications.
- Demonstrated effective communications between programmers, subject matter experts, managers and software vendors.
- Presented projects' status and results regularly to all levels of NASA management.
- Authored/co-authored 27 technical presentations and publications.
- Successfully trained astronauts in Shuttle experiment science and operation.
- Conducted TV interviews during Shuttle mission operations.

**Other Technical Skills Include:**

- Windows, Apple OSX, Unix/Linux operating systems
- Programming languages/Web technologies (Java, XML, XSLT, Web Services, RSS, HTML, XHTML)
- Server applications and software infrastructure (Apache Projects, J2EE software development, SQL/Oracle databases)
- Web content management and portal frameworks
- Office automation and telecommunication techniques (hardware and software)
- IP-based networking concepts
- PC/Mac graphics software and applications

**PROFESSIONAL EXPERIENCE**

<b>NASA Headquarters, Washington, DC</b> IT Project Manager	<b>8/96-Present</b>
<b>NASA Glenn (Lewis) Research Center, Cleveland, Ohio</b> Project Scientist Research Engineer	<b>8/88-8/96</b> 1/91-8/96 8/88-8/96
<b>Case Western Reserve University, Cleveland, Ohio</b> Resident Research Associate	<b>6/86-8/88</b>

**EDUCATION**

<b>NASA Professional Development Program</b> <b>MS Engineering</b> <b>BS Fluid and Thermal Sciences</b>	<b>1996-1997</b> <b>Case Western Reserve University, 1988</b> <b>Case Western Reserve University, 1984</b>
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**PROFESSIONAL ACTIVITIES/AWARDS**

- Chair Annapolis Transportation Board (Present)
- Vice President, Bicycle Advocates for Annapolis and Anne Arundel County (2013-Present)
- Co-Chair Anne Arundel County Citizen's Advisory Committee, Pedestrian and Bicycle Master Plan 2013
- Co-Chair Anne Arundel County Transportation Commission 2013
- NASA Group Achievement, Special Service, Sustained Superior Performance, and Distinguished Publication Awards

**PERSONAL INTERESTS**

- Hobbies/interests include cycling, sailing, computer/consumer technologies
- Fiscal sustainability of cities and towns and Strong Towns Founding Member ([www.strongtowns.org](http://www.strongtowns.org))
- Transportation and land use
- Member USA Cycling and Annapolis Bicycle Racing Team
- Member United States Sailing Association and Snipe Class International Racing Association

*References/publication list available upon request*