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| Team Member Profile: Patrick Kelley |

**Relevant Upper Division Coursework:**

Technical Writing, Linear Algebra, Software Engineering, Algorithms, Automata Theory, Computer Graphics, Computer Networks, Operating Systems, Intelligent Systems, Advanced User Interfaces, and Virtual Worlds.

**Skill Set:**

* Experienced with numerous programming languages, including Intel assembly language, C, C++, C#, and Java.
* Broad experience with operating systems: DOS, OS/2, Mac, and Windows.
* Networking experience from token ring to TCP/IP over Ethernet.
* Previous bullets tied together with acquisition of MCSE to supplant MCSD.
* Support experience through Help Desk position at ROLM/IBM and admin position at University of Chicago Hospitals.
* Organizational experience through training tasks for various projects.
* Software development process experience as team member on several projects as well as the designer for the Aircraft Maintenance Tracking system at American International Airways.

**Work Experience in brief**:

* Over 10 years as a developer for ROLM/IBM plus 2 years consulting for Deltam Systems and 2 more years for American International Airways.
* 2 years Help Desk at ROLM IBM
* 2 years web and Internet development at AIA plus occasional consulting since then.
* 4 years support and network administration at University of Chicago Hospitals, Anesthesia Department.

Other Experience:

* Exposure to NAU systems and diverse technologies through their Computer Science degree program.
* Maintenance of my own Internet presence through a wired/wireless LAN in my home that connects multiple computers and media devices along with redundant shared storage all protected behind a firewall, and a web presence at [www.flion.com](http://www.flion.com).
* Maintenance of the EAA Chapter 856’s web presence at [www.eaachapter856.org](http://www.eaachapter856.org).
* Training experience through grading and running lab sections at NAU, primarily for Drs. Otte and Palmer.

**Relevant Interests:**

I have a long-standing interest in aerospace and related fields, such as astronomy. This is reflected in an interest from childhood in Science Fiction (particularly the works of Robert A. Heinlein). I have also flown model rockets, winning science fair awards at the local and state (Mississippi) level as well as NASA achievement awards. I also had an early interest in computers and experimented with early microprocessors from Radio Shack and Sinclair. I learned assembly language on a Texas Instruments 99-4A which I still own.

I have built and flown radio-control model sailplanes in competition throughout the 80s and 90s. After acquiring my pilot’s license in 1993, my aeronautical interests shifted to full-size aircraft. I currently own and operate a Van’s RV-6A that I built myself, including the engine at a factory training program. The avionics, possibly typical for a computer enthusiast, are experimental GPS with synthetic vision and digital engine monitoring. I am in the process of building a larger, 4-place Van’s RV-10 which will include a more complex avionics package and an electrical systems management unit in place of the traditional power bus and circuit breakers. I am currently serving as Secretary and Web Editor for the local chapter 856 of the Experimental Aviation Association.

Since my arrival in Flagstaff, I have joined the Friends of Lowell Observatory. I fly often with Dr. Bob Millis and his wife, Julie, and have watched with interest as portions of the Discovery telescope were assembled in a hangar near mine at Flagstaff Airport.