

PROFILE: Doctoral student in Industrial and Systems Engineering with strong background in human factors engineering; former U.S. Army Transportation Officer

EMPLOYMENT HISTORY

08/02 – 08/03 Teaching Assistant, USC, Los Angeles, California

Duties and Responsibilities: Teaching Assistant and Laboratory Instructor for *Human Factors in Work Design*: Junior/Senior level undergraduate class. Planned, resourced and taught weekly 3 hour lab sessions for the human factors in work design class. Assisted students with projects and aided students in understanding the concepts taught in class. Graded tests, projects, and lab reports.

Duties and Responsibilities: Teaching Assistant for *Systems Engineering Theory and Practice*: Graduate level class. Graded homework, tests and projects. Assisted students with projects and aided students in understanding the concepts taught in class. Taught ethics in academics class as necessary.

Duties and Responsibilities: Teaching Assistant for *Engineering Management of Teams*: Graduate level class. Graded homework, tests and projects. Assisted students with projects and aided students in understanding the concepts taught in class. Selected, prepared and lead in-class discussion of 4 case studies.

06/02 – 08/02 Human Factors Engineering Intern, Sikorsky Helicopter, Connecticut

Duties and Responsibilities: Crew Station Design Team Intern for the Comanche helicopter. Performed analysis of existing human factors designs through simulator tests and manual inspection.

02/01 – 08/01 Liaison Officer for Transportation, Austrian Ministry of Defense, Vienna, Austria

Duties and Responsibilities: Assigned as the U.S. Army Transportation Representative to the Austrian Ministry of Defense. Facilitated country clearance requests and throughput of supplies and personnel for the support of NATO operations in Bosnia and Kosovo. Coordinated between U.S. Army planners and Austrian policy makers to ensure uninterrupted support of forces in Bosnia and Kosovo.

01/01 – 12/01 Transportation Planner, Captain, US Army, Kaiserslautern, Germany

Duties and Responsibilities: Strategic Transportation Staff Planner for the Theater Movement Control Agency responsible for managing all military traffic throughout Europe. Contributed to staff planning of initial entry into Kosovo, regular rotation of troops through Bosnia, and throughput of goods and materials through Central Europe.

08/99 – 12/00 Company Commander, Captain, US Army, Kaiserslautern, Germany

Duties and Responsibilities: Commander of a 99-person company of a transportation headquarters staff of high level officers and enlisted personnel. Planned daily training events, tracked personnel status and performance of required military training (e.g. physical fitness tests), maintained unit equipment (vehicles and field equipment), and ensured safety and security of all people in the command.

05/94 – 08/99 Operational Transportation and Logistics Officer, Lieutenant, US Army, Virginia and Colorado

Duties and Responsibilities: Regimental Transportation Officer for 3rd Armored Cavalry Regiment. Planned, resourced, and supervised rail, highway, and air movement of all unit equipment (1500 tanks and tracked vehicles, 16 helicopters, 2500 wheeled vehicles, various engineering equipment, and associated support equipment) and 3500 people. Coordinated major movements for large and small training events moving equipment from Colorado to California, Southern Colorado, North Carolina, Texas, and other in state moves. Created contingency

plan for sea-based movement of all unit equipment, including ground movement equipment from Colorado to various potential sea ports of embarkation.

Duties and Responsibilities: Platoon Leader ~ leader of a 35-person platoon of light tactical wheeled vehicles in support of the 4th Infantry Division. Planned daily training events, tracked personnel status and performance of required military training (e.g. physical fitness tests), maintained unit equipment (vehicles and field equipment), and ensured safety and security of all people in the command.

EXPERIENCE

- Performed strategic air, rail, highway, and sea transportation planning and analysis for contingency and crisis operations of U.S. Armed Forces in Europe, including hazardous and sensitive materials across international borders
- Created a standardized procedure for determining abbreviations and a specific list of approved abbreviations for the Pilot-Vehicle interface of the RAH-66 Comanche Helicopter
- Conducted trade-study between transportation methods that resulted in a movement plan that allowed a 300 person division to participate in an exercise 2,000 miles away
- Established interconnectivity between two computer networks to allow an exchange of information between U.S. Army and Air Force planners
- Managed various organizations ranging in size from 2 to over 100 people; developed all personnel policy directives and training programs; supervised maintenance and logistical activities of these organizations
- Analyzed and developed courses of action for the deployment of over 15,000 soldiers and 5,000 pieces of U.S. and Allied Forces' equipment from locations throughout Europe and the U.S. in support of initial operations in Kosovo
- Served as Liaison Officer from U.S. Armed Forces Europe to Austrian Ministry of Defense Headquarters in Vienna for management and supervision of U.S. military highway, rail, and personnel movement over international borders
- Planned, resourced, and executed six different 500 mile movements of over 3,000 people and 2,000 pieces of equipment each via simultaneous air, rail, and highway operations, completing each move set under budget and ahead of schedule.
- Planned, organized and supervised all rail movement operations, all heavy equipment transport, and all airlift operations for the 3rd Armored Cavalry Regiment for all exercises and contingency events
- Supervised safety operations for the loading, tie-down, transport, and unloading of over 125 rail operations for U.S. Army heavy equipment

EDUCATION

Ph.D., Industrial and Systems Engineering In Progress Est: Summer '06
University of Southern California Los Angeles, CA
Related Course Work: Engineering Management of Government Funded Programs; Simulation; Modern Enterprise Management; Database Management

M.S., Industrial and Systems Engineering May 2003 GPA: 3.89
University of Southern California Los Angeles, CA
Related Course Work: Systems Engineering Theory and Practice; Network Flows and System Modeling; Advanced Engineering Economy; Human Computer Interface; Engineering Project Management

B.S., Engineering Psychology May 1994 GPA: 3.09
United States Military Academy West Point, NY
Related Course Work: Human Factors Engineering; Engineering Psychology; Sensation, Perception and Psychophysics; Probabilistic Models; Applied Statistics; Biological Psychology

PUBLICATIONS

Rahimi, M., Placencia, G., Russell, J. (2004). Human-Computer Interaction. In R.C. Dorf (Editor): *The Engineering Handbook*, CRC Press, New York, N.Y. (In print)

Rahimi, M., Russell, J., Placencia, G. (2004). "Applying User-Centered Design Methodology to Portable Lightweight GPS Receiver (PLGR) Interface." 8th ERCIM UI4ALL Workshop. June 2004.

MacLean (Russell), J. (2002). "Six Months of Duty, A Lifetime of Memories." *Transportation Corps Professional Bulletin*. Summer 2002.

SUMMARY OF AWARDS

Women's Transportation Seminar – **National Helene M. Overly Scholarship Award, 2005**

Women's Transportation Seminar – **Los Angeles Chapter Helene M. Overly Scholarship Award, 2005**

Eno Transportation Foundation **Fellow** and **Recipient of the Charles William Koch Scholarship, 2004**

National Metropolitan Transportation Research Center **Student of the Year Award, 2004**

University of Southern California **Provost Fellowship Award, 2003**

Epstein Department of Industrial and Systems Engineering, University of Southern California, **Teaching Assistant of the Year Award, 2002-2003**

Third Armored Cavalry Regiment, U.S. Army, **Member of the Honorary Squadron of Mounted Rifleman, 1998**
Noble Patron of Armor, U.S. Army, **1998**

Commandant's Award for Academic, Military and Physical Excellence, United States Military Academy, 1994

Dean's Award for Academic Excellence, United States Military Academy, 1994 & 1993