# GUY A. SIMONIAN

## SUMMARY OF EXPERIENCE

Mr. Simonian began his data processing career in 1977 and has had considerable experience in engineering applications programming. His background includes mini and micro computer systems as well as large-scale mainframe systems developed primarily for the scientific and engineering environment.

## HARDWARE

IBM 370/145,168
DEC System 10
VAX 11/70
PDP 11/10
PDP 8
INTEL 8080
APPLE II
TRS-80
PET
S-100 Bus Systems
Zilog Z80

## LANGUAGES AND SOFTWARE

ASSEMBLER, FORTRAN, PL/1, PASCAL, BASIC, SPSS;
CAD/CAM, TSO, CMS, CPM, RSX-11M, RT-11, JCL and Utilities.

## EDUCATION

Mr. Simonian received his Bachelor of Science degree in General Engineering from Tufts University in 1976. He is currently working towards his Master's Degree in Electrical Engineering at Rensselaer Polytechnic Institute, Hartford Graduate Center.

## ACCOMPLISHMENTS

For a major insurance company, Mr. Simonian provided new programming and performed program maintenance using PL/1

**AGS**

ACCOMPLISHMENTS (Continued)

and OS/MVS JCL with structured programming techniques on the IBM 370/168. He also developed a Draft Verification System utilized by Group Insurance. In addition, Mr. Simonian designed and installed a variety of PL/1 applications for Group Systems.

As an engineering applications programmer/analyst for an engineering consulting company, Mr. Simonian designed, programmed, and implemented a generalized Cost Allocation Study. This system performed a cost of servicing analysis for a geographical market. In addition, Mr. Simonian developed a Utility Load Forecasting System. Applications included component reliability analysis, optimum cutting pattern determination and reporting, geological stability analysis, flood forecasting models and hydrological engineering systems. All programming was done on the IBM 370 using FORTRAN IV.

For a medical electronics company, Mr. Simonian had total responsibility for providing report generation program modifications to meet the needs of individual user locations of the UMASS Medical Centers. All programming was done in PASCAL on the PDP 11/70 under RSX-11M. Doctors working in catheter laboratories utilized this system in both the analysis and evaluation of their patients.

For a private science center, Mr. Simonian developed and implemented programs for use in a solar energy research project granted by Northeast Utilities. This involved a real-time application which collected and evaluated data from five separate receiving stations throughout the state. In addition, he maintained and enhanced a complex scheduling system that controlled staffing and facility utilization. He also conducted seminars for the State Department of Education concerning the acquisition and utilization of micro computers. All development was done on the PDP 11/10 operating under RT-11.

For a manufacturing concern producing dot matrix printers, Mr. Simonian developed test procedures on micro computers for the testing and evaluation of product performance. He also maintained the printer's operating software using the Textronics development system. In addition, Mr. Simonian wrote the manuals for the programming and operation of the printer.

**AGS**