

Professional Profile

Computer Engineer & Programmer, Researcher, IT Manager, Electrical Engineer

- ❖ Project Management
- ❖ Project Design & Proposal Writing
- ❖ Transact-SQL, VB, C++, Java, HTML
- ❖ Python, Bash Script, Uber Script
- ❖ Machine & Macro Code Programming
- ❖ GitHub Software & Version Management
- ❖ Resource Scheduling & Gantt Charting
- ❖ Relational Database Design
- ❖ Network Design & Security
- ❖ Linux, SQL, Exchange, IIS Server Admin
- ❖ Radio & WiFi Communication Design
- ❖ Digital & Processor Hardware Design

Professional Experience

➤ **University of Arizona** Tucson, AZ – 2021 to Present

Researcher II, Computer Engineer & Programmer (Assigned to the [ToMCAT](#) Research Project)

Achievements:

- Developed & Programmed multiple Apps. Fixed problems with the EEG & fNIRS Sensor Systems. Improved Lab Network Systems. Updated Experiment Procedures & Documentation.

Responsibilities:

- Design & Program Software for the [ToMCAT](#) Research Project, Oversee [ToMCAT](#) Lab operations & experiments, Resolve software problems and mentor project students.

➤ **ITCAP Inc.** (dba: DRA Software Training, DRA Consulting), Tucson, AZ - 1990 to 2021

Vice President of Technology, Chief Information Officer, Computer & Network Engineer

Achievements:

- Successfully Managed, Designed, Built, Programmed & Maintained ITCAP / DRA's Networks, Databases and Applications for over 30 years.
- Designed & Programmed Custom Applications for over 50 local companies and organizations.

Responsibilities:

- Manage ITCAP's IT Department, Infrastructure and Company Facility.
- Database Designer, Programmer, Network Administrator.

➤ **Garrett Airesearch** (now called Honeywell), Tucson, AZ - 1985 to 1990

Engineer, Staff Technician

Achievements:

- Multiple times awarded Suggestion Awards for improving design and production processes on products such as Sonobuoy, A-10 CAD, S3A, AV-8B. I was one of the "Suggester of the Year 1988" Fortune 500 Companies.

Responsibilities:

- Staff Technician and Liaison Engineer between engineering and production.

Education

➤ **University of Arizona**, Tucson, AZ - 1985

B.S.E.E., Minors: Computer Programming & Broadcasting

➤ **Special Projects HS** (now called University HS) & Rincon HS, Tucson, AZ - 1979

High School Diploma, Equivalent of Associates Degree E.E. from Special Projects HS

Achievements:

- 1978 Awarded 2nd Place in Industrial Electronics Competition for Arizona.
 - 1979 Awarded 1st Place in Industrial Electronics Competition for Arizona. Went on to represent Arizona at Nationals and took 2nd Place at Nationals.
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