

Leslie Haggerty, Consulting Engineer

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Summary of Qualifications

- Developed over 40 Perl programs
- Developed and customized search engine, shopping cart, and web bulletin board programs
- Fourteen years of experience in software, algorithms, and RF systems
- Two approved invention disclosures relating to electronically scanned antenna algorithms

Employment History

Dates	Position
1994-Present	Consulting Engineer: H&A System Engineering, El Segundo, CA – She leads the Internet consulting portion of the business and has produced web sites and cgi programs that provide interactivity with the user. She has taught structured analysis courses and has participated in requirements and architecture model development for a multiple-unit parallel solid-state power conversion system using Hatley-Pirbhai Methodology (HPM). She has also led the proposal efforts on several software projects.
1993-94	Systems Engineer: Hughes Aircraft Company, El Segundo, CA – She surveyed and recommended methods and tools for computer-aided system/software engineering (CASE). She applied structured methods on radar upgrade.
1993-94	Instructor: Advanced Technical Education Program, Hughes Aircraft Company, El Segundo, CA – She taught structured methods and improved course materials.
1988-93	Member of the Technical Staff II: Hughes Aircraft Company, El Segundo, CA – She tested and verified electronically scanned antenna (ESA). Additionally, she analyzed cost reduction design changes. She also developed architecture models for proposed EW system configurations; analyzed trade-offs.
1986-88	Member of the Technical Staff I: Hughes Aircraft Company, El Segundo, CA – She designed, analyzed, simulated, tested, and verified the ESA subsystem.

Education

Degree

- B.S., University of Redlands, Redlands, CA, 1986
 Major: Engineering with electrical emphasis
 Minor: Mathematics.

Academic Research

- L. J. Haggerty (nee Abernethy), K. Chang, P. Cocoran, T. Doyle, and R. Smith, "Hybrid Electric Vehicle with an Aluminum Chassis," Senior Design Project: University of Redlands, Redlands, CA, 1986.
- L. J. Haggerty (nee Abernethy), "An Automated Data Acquisition and Control System for Pulsed Laser Experiments," Honors Research Project: University of Redlands, Redlands, CA, 1985.

Honors Received

- Graduated Summa Cum Laude and with High Honors in Engineering and Computer Science
- National Honor Societies: Phi Beta Kappa, Mortar Board, Omicron Delta Kappa

Continuing Education

- Self-taught: Perl, Java, Javascript, and HTML 1996-2000
- *Fundamentals and Applications of Object-Oriented Programming Using C++*, UCLA Extension 1996
- *Programming in C*, El Camino College, 1996
- *Case Studies in System Development*, Instructor: Derek J. Hatley, 1994
- Hughes Aircraft Co. SEAAT Program, 1993 (3-year system engineering rotation/training program)
- *A Migration Path from Structured to Object-Oriented Development*, Instructor: Paul T. Ward, 1993
- *Structured System Development*, Instructor: Imtiaz A. Pirbhai, 1992
- *Structured System Requirements and Architecture*, Hughes Advanced Technical Education Prog., 1991