

# BENJAMIN ELBIRT

*Location: Philadelphia, PA – Cell: 716-998-6302 – E-mail: elbirt@insna.org*

## SUMMARY

Research analyst familiar with multiple statistical methodologies including time series, regressions, correlations, agent based modeling, social networks and content/semantic analysis. Established programmer in multiple languages including Perl, Java, JavaScript, HTML and OpenGL, database systems including Oracle, MySQL and MS SQL. Familiar with software applications for statistical analysis including MatLab, SPSS, UCINet and Galileo.

## CONSULTING EXPERIENCE

*International Network for Social Network Analysis* *Buffalo, NY / Philadelphia, PA*

CHIEF INFORMATION OFFICER 01/08 - PRESENT

Responsible for the design and development of the organization's website. This website is designed as a self-organizing user content driven academic center for the study of Social Network Analysis. Management/maintenance includes the annual conference (over 700 abstract submission and 820 attendants), bibliographic information, Connections journal (online version), forums and user databases. Administrative services include statistical reporting and PDF file generation.

*Cornerstone Research*

*Buffalo, NY*

### CONSULTANT

1/07 AND 3/07

A correlation analysis was performed on the provided survey responses using SPSS. Correlations of significance were utilized for conjoint analysis / multi-dimensional scaling. The resulting MDS coordinates were used to produce VRML/3D visualizations of response inter-relationships. The client was also provided interpretation assistance and related output data.

## FULL TIME EXPERIENCE

*Department of Communication, SUNY Buffalo*

*Buffalo, NY*

TEACHING ASSISTANT – COM 486

8/96 – 5/98

TEACHING ASSISTANT – COM 489,451

8/05 – 5/06

Responsibilities include management of 50 to 200 students regarding assignment submission, grading and general questions. Lecture topics include HTML, Javascript, Perl, WEB design, survey analysis, content analysis, network analysis, software design, Internet networks, research methodologies and database development.

*World Wrestling Entertainment Inc.*

*Stamford, CT*

SYSTEMS / APPLICATION ENGINEER

10/00 – 8/02

Responsibilities include development and maintenance of third party CMS (Content Management System) application, development and architecture of on-line infrastructure, development and documentation of on-line content and general Internet programming / development duties. Established COPPA compliance across all web site content, created a real-time statistical data feed processing and distribution application for XFL player and team statistics, developed and managed all sweepstakes, poll and user data exchange server applications across all domains, and designed, documented and implemented multi-server / horizontally scaled Mod Perl Universal Registration System (URS), with user tracking, data encryption and administration with an Oracle database for base of enterprise wide CRM solution. Integrated site wide Polling and Chat systems into the URS for registration / COPPA compliance and organized / created business requirement documentation for various internet and business related computing needs.

*About.com*

*Manhattan, NY*

SENIOR PROGRAMMER

5/00 – 11/00

Responsibilities include design, database and architecture specification for "ask an expert" feature of the About.com web site. Created technical specification document for developers and administrators with executive, marketing and technical staff.

*News Digital Media*

*Manhattan, NY*

CONTENT ENGINEER 8/99 – 5/00  
Responsible for development of on-line promotions across all Fox web sites, software and hardware architecture design, documentation and implementation, and database development and administration on MS SQL 6.5, 7.0, Oracle 8.0.6 and MySQL. Promotional partners include Porsche, Intel, Ford Motor Company, Butterfinger Candy, Homepage.com, NAACP, and Maximum Golf Magazine.

*DynamicWeb Enterprises* Fairfield, NJ  
PROGRAMMER 1/99 – 8/99  
Responsibilities include software development of company's main products, in-house solutions including Forecast / Product Movement / Period Reporting, on-line EDI e-commerce and exchange and on-line vendor billing through Plug-n-Pay. Development languages include advanced object oriented Perl with Oracle on a Sparc Solaris platform.

*The Shubert Organization* Hackensack, NJ  
WEBMASTER 7/98 – 1/99  
Responsibilities include web page updates, maintenance, and troubleshooting, Win 32 Perl, Java, and JavaScript CGI coding with database interfacing, web site registration on various search engines and advertising services, report generation of site activity and demographics. Main project involved the reconstruction of the entire client Web interface to use advance concepts, features, and display techniques including frames, real-time order processing, and an on-line database driven event calendar.

## EDUCATION

MA, COMMUNICATION 2008  
BA, COMMUNICATION 1997  
*State University of New York at Buffalo* Buffalo, NY

CULINARY ARTS / RESTAURANT MANAGEMENT 2003  
*Institute of Culinary Education* New York, NY

"Training the Trainer" - Fred Pryor Seminars 1997  
*State University of New York at Buffalo* Buffalo, NY

## BIBLIOGRAPHY

Barnett, G. A. and B. S. Elbirt (2006). TWO APPROACHES FOR EXAMINING LONGITUDINAL SOCIAL NETWORKS. 2006 International Social Networks Conference (INSNA), Vancouver, CANADA.

Elbirt, Benjamin "Jacob's Ladder 12.1 - A Presentation of the Fowler Congressional Bill Co-sponsorship Networks Data" A Software Demonstration presented at The Harvard Networks in Political Science Conference, June 11-13, 2009

Elbirt, Benjamin "Jacob's Ladder 12" Software Demonstration presented at Sunbelt XXIX - San Diego, CA, USA - March, 2009.

Elbirt, B. S. (2005). Jacob's Ladder 10 - A Virtual Reality Multi-Dimensional Data Visualization and Animation Application. Computer Science Inter-Department Colloquium, SUNY Buffalo.

Elbirt, B. S. (2007). The Nature of Networks - A Census of Degree Centrality across Various Node Sizes and Edge Densities. Department of Communication. Buffalo, SUNY Buffalo. **Masters Thesis**.

Tutzauer, F. and B. S. Elbirt (2007). The Distribution of Entropy-Based Centralization in Sparse, Directed Networks. ICA Conference 2007, San Francisco, CA.

## SOFTWARE AND ANALYTICAL SKILLS

- SPSS, MATLAB, Galileo / CatPac / WolfPak, UCINet, MS Excel and Related
- Survey Design / Analysis, Content Analysis, Social Network Analysis / Graph Theory
- Time Series Analysis, Regressions, Correlations, Multi-dimensional Scaling
- Agent Based Modeling
- JavaScript, dHTML, CSS, RSS, XML, VRML 1.0 / 2.0, OpenGL
- Java, Perl / OOP / TK / CGI, Mod\_Perl / Apache Mod\_Perl, Eclipse
- MS SQL 7.0, Oracle 8.X, MySQL 5.x, Procedures / Triggers
- Academic Writing / Reports / Documentation / Technical Specification
- Cost Analysis / Data Mining, Development Management, Application Development