

ELDON G. MARKS

82 Wren Avenue, South Ruimveldt Gardens
Georgetown, Guyana, (592)-641-5808
eldon.marks@markslogic.com
www.markslogic.com/portfolio

OBJECTIVE

To read for my Masters Degree in Computer Science with specialization in Human-Computer Interaction (HCI)

EDUCATION

July 2004

Bachelor of Science in
Computer Science,
University of Guyana,
Georgetown, Guyana

Relevant Courses:

- Software Engineering
- Advanced Java
- Data Structures & Algorithms
- Operating Systems
- Computer Networking
- Computer Graphics
- Interactive Internet Computing

GPA

Major: 3.6/4.0

Overall: 3.1/4.0

TECHNICAL COMPETENCIES / SKILLS

- Highly creative developer and experienced researcher - actively engaged in independent and collaborative research for over three (3) years. Most familiar areas or disciplines are human-computer interaction, information visualization and computational linguistics.
- Experienced designer of intuitive user interfaces, specialist in web-based system development and aesthetic graphic design.

Programming: C, Java, Python, Perl, Assembly (X86 family)

Web Programming / Design: PHP, JavaScript, HTML, CSS 2.0, XHTML, XML, AJAX

Database Development: MySQL, DB2, ER Diagramming, SQL

Applications: LaTeX, MS Word, MS Excel, MS Access, MS Powerpoint, Photoshop 8.0, Fireworks 8, Dreamweaver 8, Flash 8

Analysis/Design: Object Oriented Analysis & Design (OOAD), UML, Use-Case Analysis

Operating Systems: Windows 2000 server, Windows 2003 Server, Ubuntu 9, Redhat 9, Suse 10.2, Mandrake 9.2

PROFESSIONAL EXPERIENCE

2006 - present **University of Guyana, Department of Computer Science**

Lecturer I

Revise, prepare and deliver lectures to students; plan and deliver lab and tutorial sessions. Compose and grade course assignments, semester projects and exams for respective courses. Hold office hours and provide additional guidance to students outside of class. Supervise undergraduate student research.

2004 – 2006 **University of Guyana, Department of Computer Science**

Assistant Lecturer

Understudied and assisted primary Lecturers in lab sessions and lectures. Assisted in grading and design of course assignments, projects and exams; supervised exams and provided additional assistance to students outside of class. Worked along with students in their final year research projects.

2000 - 2004 **Self-Employed**

Computer Technician

Provided computer systems solutions and services to various establishments and individual clients.

Projects

- Developed a web-based management system for the Bed and Breakfast Secretariat of Guyana
- Implemented a web-casting server as part of the "Radio & Multimedia Production Programme for Community Media" - Centre for Communication Studies, Faculty of Social Sciences, University of Guyana
- Designed and developed the School of Earth & Environmental Sciences website
- Designed and developed the Ministry of Culture, Youth & Sport website
- Developed the Banks DIH web-based information system
- Designed and developed a tailored Intranet Monitoring Utility (IntraMon) for the Computer Science Lab.
- Developed a web-based file system explorer (Xplorer) for the Department of Computer Science.
- Designed and developed the University of Guyana website
- Developed and implemented a Course Directory Service for the Department of Computer Science
- Designed and developed the Department of Computer Science website.
- Designed and developed the Brandsville Apartments website
- Developed the 7th Caribbean and International Social Work Educators Conference website
- Designed and developed the UNEP-GEF Biosafety Guyana website.
- Designed and developed the Guyana Football Federation (GFF) website.

- Designed and developed the University of Guyana – Centre for Communication Studies (UGCCS) website
- Designed and developed the Strategic Environmental Assessment of Mining – Guyana website

Activities

- Presenter at 14th Biannual General Meeting – Caribbean Academy of Sciences (CAS); presented publication entitled: "Gestures Speak Louder than Emoticons: A Practical Implementation of Non-Verbal Communication Improvements on Text-Chat", Trinidad & Tobago, October 2004.
- Administered a workshop on Web-casting as part of the "Radio & Multimedia Production Programme for Community Media" - Centre for Communication Studies, Faculty of Social Sciences, University of Guyana, November 18 – 27, 2005.
- Delivered a Guest Lecture on web-streaming - Centre for Communication Studies, Faculty of Social Sciences, University of Guyana, April 2006.
- Served as Projects Coordinator, Department of Computer Science, Faculty of Natural Sciences, University of Guyana – January – July, 2006.

RESEARCH & PUBLICATIONS

- Marks, E. (2007). The Infojector: Maximizing Textual Information Assimilation Using an Enhanced Information Interface.
- Peters, T., Marks, E. (2007). People HR: An Investigation In Utilizing Groupware to Support High Involvement Human Resource Management for a Highly Productive Workforce.
- Calixte, N., Marks, E. (2007). The Vote Aggregation and Reporting System: A Cost-effective, Electronic, and Fraud Proof Voting System for National Elections.
- Singh, K., Marks, E. (2007). Exploiting the SMS Text Messaging Medium in Guyana: An exploration in linguistic compression to overcome the constraints of SMS.
- Fileen, K., Marks, E. (2007). Job-Opp: A Cost-effective, Web-based Job Search Application with Integrated Web Conferencing for the Caribbean Region.
- Ojha, T., Marks, E. (2007). Digital Georgetown: A Multi-functional, Web-based GIS System for the City of Georgetown, Guyana.
- Braithwaite, R., Marks, E. (2006). Digital Palmistry: An Exploration of Computer Vision to Visually Analyse Palm Prints.
- Dos Santos, S., Marks, E. (2006). Edu-Tracker: A Performance Tracking & Report Generating Application for Educational Institutions.
- Ramotar, M., Marks, E. (2006). Voice Chat in Sign Language: The Development of a Voice Chat that Allows the Hearing Impaired to Communicate Effectively Through "Signing" (In Submission to World Science Day Symposium 2006), Guyana.
- Persaud, L., Parmanand, A, Marks, E. (2006). NOBRAC LA Afis: An Investigation into the Use of Biometrics, AI, & Computer Vision to Ensure Security & Authenticity of Identifying an Individual (In Submission to World Science Day Symposium 2006), Guyana.
- Dubaria, G., Marks, E. (2006). Introducing Ecommerce In Guyana: A Deployable, Secure & Cost Effective Framework.
- Azeez, A., Koobare, V., Marks, E. (2006). Smarty Pants: An Interactive Learning Utility for Children.
- Israel, P., Marks, E. (2005). A Linear Ecological Simulation Application.
- Henry, C., Marks, E. (2005). WordSync: A Collaborative Word Processing. Application.
- Deonauth, N., Layne, N., Marks, E. (2005). SmartFrog: An Interactive Learning Utility (In Submission to World Science Day Symposium 2006), Guyana.
- Sookraj, G., Marks, E. (2005). An Intelligent Medical Data Archiving and Analysis System.
- Chan, C., Marks, E. (2005). A Remote, Web-based Controller (In Submission to World Science Day Symposium 2006), Guyana.
- Marks, E., Williams, M. (2004). Gestures Speak Louder than Emoticons: A Practical Implementation of Non-Verbal Communication Improvements on Text-Chat (In Submission to Caribbean Academy of Sciences (CAS) 2004), Trinidad & Tobago.