George I. Evers

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OBJECTIVE

I aspire to contribute to a quality university or international school that: (i) values an innovative though process and problem-solving commitment; (ii) provides continual challenges and learning opportunities; and (iii) values quality of life and mutual respect. I am committed to doing my job very well and offer a blend of left-hemispheric analysis with right-hemispheric creativity.

EDUCATION

Degrees

• M.S.E. Electrical Engineering	The University of Texas – Pan American (UTPA)	3.7 GPA	2009
• B.A. Math *cum laude*, physics minor	Texas A&M University – Kingsville (TAMUK)	3.4 GPA	2000

Standardized Test Scores

• Graduate Record Exam: Above-average 610 verbal, **full 800 quantitative**	2009
• Graduate Record Exam: **98th percentile 780 on former analytical section**	2001
• Math Field Test: 165 – **highest among TAMUK alumni**	2000

WORK ACHIEVEMENTS & EXPERIENCE (Details available by email)   1997 – Present

Communication & Presentation Skills: Electrical Engineering, Physics, Science, & Mathematics
- Taught physics and maths internationally and domestically: my students performed very well on standardized tests.
- Trained E.E. students to solve problems using MATLAB, comment code clearly, and write reports coherently.
- Supervised Algebra lab, instructed math privately encouraged by recommendations from employer and professors.
- Taught university physics labs **from age 18** and lectured math for the Texas Academic Skills Program

Client Relations: Business and Customer Service
- Enhanced my thesis toolbox to meet researchers' needs as an independent consultant.
- Sold fiber optic solutions and trained new agents: imparted product knowledge, demonstrated techniques.
- Learned fluent Spanish at a top resort in Mexico and ascended the ranks as a vacation salesperson.
- While a full-time graduate student, initiated and profitably operated tutoring company, Academic Advantage.

PERSONAL ACHIEVEMENTS & AWARDS   1996 – Present

- Devised, programmed, debugged, and copyrighted the PSO Research Toolbox (i.e. all developmental stages)
- Introduced as "**the best student I ever had**" by Dr. Kay, retired math chair of Texas A&M – Kingsville
- Independently devised a thesis topic and initiated research from Vancouver, BC while enrolled at UTPA in Texas
- Commended by Mexican and Thai nationals for cultural understanding and pronunciation
- Elected **president** of the TAMUK chapter of the Society of Physics Students (SPS): (i) implemented physics demonstrations at local schools, and (ii) increased the physics department's cash flow by replacing departmental sponsorship of students' conference activities with direct university funding
- Appointed **webmaster** for the TAMUK SPS chapter: increased traffic using search engine optimization principles
- Awarded S. Burgin Dunn Physics scholarship
- Named high-school **valedictorian**: earned perfect marks on one-third of senior tests without a curve or extra credit

ADDITIONAL ABILITIES

- Software: MATLAB 2010b/2009a/2007a/2002a with some Simulink, Visual Studio 2008/2005 for C++ with OOP, Maple 6, Derive 4, Orcad PSpice 9; Windows 10/7/XP/2000/98/95, Mac OS X, *full* MS Office suite 2015/2010/2007/2003/XP/2000/97/95 including macros and MathType add-in, Open Office 4/3, WordPerfect 9; Adobe Acrobat 7; Chrome, Safari, Firefox, Opera, IE, Edge; Skype, Microsoft Live Meeting
- Workplace: Able to visually conceptualize, attentive to details, courteous team player, helpful by nature
- Cultural: Cross-cultural due to years abroad, able to adapt, ambitious, inspired by challenges

POST-THESIS RESEARCH ACTIVITIES   2009 – Present

- Accepted invitation to serve as an **editor for the** International Journal of Swarm Intelligence along with the authors of the two preeminent textbooks on my thesis topic.
- Enhanced thesis toolbox in response to interest expressed by other researchers
- Provided toolbox support and improved documentation in response to users' questions
- Established guidelines for transitioning thesis toolbox into a community-based development project and guided another researcher in creating an add-in
- Achieved rank as one of the two hundred most downloaded authors at MATLAB Central
- Wrote toolbox documentation and use agreement
- Designed website: attained number one rank on Google for "PSO research" and "George Evers" and top ten rank for "PSO toolbox" and "PSO MATLAB"

PUBLICATIONS   2009 – Present

- G. Evers, "The No Free Lunch Theorem Does not Apply to Continuous Optimization," *1st Annual International Conference on Swarm Intelligence*, Cergy, France, 2011.
- G. Evers and M. Ben Ghalia, "Regrouping Particle Swarm Optimization: A New Global Optimization Algorithm with Improved Performance Consistency Across Benchmarks," in *10th Annual IEEE International Conference on Systems, Man, and Cybernetics*, San Antonio, TX, 2009.
- G. Evers, "An Automatic Regrouping Mechanism to Deal with Stagnation in Particle Swarm Optimization," M.S. thesis, The University of Texas – Pan American, Edinburg, TX, 2009.