

George Matthew Fricke

4412 Inspiration Dr SE
Albuquerque, NM

Phone: (505) 265-8171 ■ Email: matthew@gofigure.org

EXPERIENCE 9/2004-Present Go Figure Software Los Alamos, NM

Software Engineer

Developed RuleBuilder 1.0 a java graphical user interface for BioNetGen 2.0, a computational model generator that characterizes the dynamics of a signal transduction system through the automatic creation of reaction networks for the Theoretical Biology Group at Los Alamos National Labs.

10/2003-8/2004 UNM BioPhysics Lab Albuquerque, NM

Programmer (Research Assistant)

Wrote Monte Carlo simulations of protein aggregation in cell membranes during signaling using a stochastic lattice model. Funded by a grant from the Center for Advanced Studies.

Summer 2003 UNM Computer Science Dept. Albuquerque, NM

Graduate Teaching Assistant

Taught "Computer Programming Fundamentals with C++" (CS151). I was responsible for all aspects of this 3 semester hour course which is designed to provide engineering students with a foundation in problem solving using C++. CS151 is a core requirement for all engineering students at UNM.

Summer 2000 Albuquerque High Performance Computing Center Albuquerque, NM

Analyst-Programmer II

Worked with the CoMeT (Computational Mechanics Toolkit) robotics group. Implemented Neural Networks, Fuzzy Logic Systems, and Data Flow Control Networks in order to generate robotic hand grasp parameters for nuclear waste handling, partially funded by the Department of Energy and INEEL.

8/1999 – 5/2001 NASA Pursue Madcat Research Group Albuquerque, NM

Programmer (Research Assistant)

Worked with a small group of Artificial Intelligence researchers on the design and implementation of an embodied, agent-based, robotic control system. Implemented the system's graphical interface with JAVA Swing. Partially Funded by the NASA Center for Autonomous Control Engineering.

2/1996 - 2/1999 University Health Sciences Center (CPH & MHC) Albuquerque, NM

7/1997

CNE

Albuquerque, NM

REFERENCES Joseph Lewis SDSU Computer Science Professor
Madcat Lead (619) 594-6191

Malcolm Panthaki CoMeT, Inc. at AHPCC Sr. Research Engineer II
CoMeT Lead (505) 277-8331

Barney Metzner UNM Health Sciences Computer Svcs Director
Director of HSC computer services (505) 272-1696

Dennis Crowther UNM Mgmt. Systems Sr. LAN Administrator
Senior. LAN Administrator (505) 277-4562

George Luger UNM Computer Science Professor
Madcat Principle Investigator (505) 277-3204

Gregory Starr UNM Mechanical Engineering Professor
Grasp Project Principle Investigator at CoMeT (505) 277-6298

ADDITIONAL INFORMATION Author, InvisiDrive, Four stars from Ziff-Davis ZDNet, 1996.

Member of the Association for Computing Machinery since 2003