Brock Tice

Cardiac Simulation Expert

brock@brocktice.com

Summary

I have been a Linux and Unix user since Fall of 2000, and am therefore well-suited to computational science. I have been responsible not only for cardiac electrophysiology research, but development of research software and administration of linux workstations, fileservers, and a high-performance cluster.

The advent of the "social internet", in which users from anywhere can interact and communicate, has spawned new ways of living and working. The influence of this development has barely touched hard science, especially in the field of cardiac electrophysiology. I want to bring the power of online collaboration to my field.

Specialties

high-performance computing, parallel programming, mesh generation, regional ischemia phase 1A, cardiac microstructure, medical imaging, image acquisition, image processing

Experience

Vice President of Operations at CardioSolv, LLC

August 2009 - Present (1 month)

Management of day-to-day operations, lead generation, and product development.

Graduate Student at Johns Hopkins University

August 2006 - August 2009 (3 years 1 month)

Graduate student working toward my Ph.D. by performing computational cardiac electrophysiology research.

1 recommendation available upon request

Freelance Tech Consultant at N/A

September 2002 - August 2009 (7 years)

Installation and maintenance of Linux and Mac computers, network set-up, network security reviews, various types of technical advice regarding hardware and software set-up and integration.

2 recommendations available upon request

Graduate Student at Tulane University

May 2004 - August 2006 (2 years 4 months)

Ph.D. student studying computational cardiac electrophysiology.

Teaching Assistant at Tulane University Department of Biomedical Engineering

August 2004 - May 2005 (10 months)

Assisted Dr.David Rice in the Team Design capstone course for the full 2004-2005 school year. Duties included communication with student teams, arranging meetings with clients, grading of assignments.

Computer Lab Assistant at A. B. Freeman School of Business
May 2001 - May 2004 (3 years 1 month)

Part-time attendant to business school computer lab. Duties included troubleshooting problems on computers used by students, staff, and faculty, maintenance of computers in two labs, maintenance of network printers, writing of "TechNote" how-to guides, making network cables, and various others.

1 recommendation available upon request

Education

The Johns Hopkins University School of Medicine
Ph.D., Biomedical Engineering, 2006 - 2009

Tulane University
Ph.D. (partial), Biomedical Engineering, 2004 - 2006
Activities and Societies: Delta Tau Delta, Mu Alpha Theta, Graduate School Student Association, Graduate Association of Biomedical Engineers, Tulane University Linux Users Group

Tulane University
BSE, Biomedical Engineering, 2000 - 2004
Activities and Societies: Delta Tau Delta, Mu Alpha Theta

Honors and Awards

Pre-Doctoral Fellowship #0615280B American Heart Association Southeast Affiliate   July 2006 - July 2008

2006 Outstanding Graduate Student Award from Department of Biomedical Engineering, Tulane University

Interests

Virtual Research Environments, collaboration, e-science, cardiac electrophysiology, high-performance computing, scientific computing, biology, computational modeling, electrophysiology, GTD, macosx

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Linked in.

4 people have recommended Brock

"During his time working for me Brock Tice was an excellent worker that got on well with others he worked with, never failed to complete a job he was given, always volunteered for a duties if he thought he was needed, and was always cool under pressure. He is still one of the best employees I have ever had work for me, and I would not think twice about hiring him if he needed a job."

— **Jason McFarland***, User Services Analyst, Tulane University*, managed Brock at A. B. Freeman School of Business

"Brock has demonstrated a high-level of technical expertise with computers and networks. He manages all the computers in my Computational Cardiac Electrophysisology lab, both desktop machines and linux clusters. He does an expert job and always addresses all issues in a timely and professional manner. As a graduate student in my lab, being a system administrator is not Brock's primary task, however I have entrusted him with it since his performance has been better than previous professional staff system administrators. He also negotiated the contract for a major computational infrastructure purchase in my laboratory in an expert manner. I have been extremely satisfied by his performance."

— **Natalia Trayanova***, Professor, Johns Hopkins University*, managed Brock at N/A

"Brock is extremely conscientious and deeply knowledgeable. He works quickly and in a highly structured manner, providing excellent feedback and advice in a timely manner."

— **Eric Ralph**, was Brock's client

"Brock is the most reliable graduate student I have ever had. He is also extremely independent, very organized, and a quick learner. Working with him is a pleasure -- I am so lucky to have him in my lab."

— **Natalia Trayanova***, Professor, Johns Hopkins University*, managed Brock at Johns Hopkins University

Contact Brock on LinkedIn