

Matthew K.E. Shaw

matt@mcneilco.com

Employment

Software Developer:

John McNeil and Company, Inc.

Develop and maintain LabSynch, a web based electronic note book for bench scientists. Develop custom extensions to LabSynch for LabSynch customers. Independantly developed new user interface to LabSynch which enables users to identify new relationships in their data and add new information more easily.

2006 - Present

Intern:

Isis Pharmaceuticals

Carlsbad, California

Worked in the Research Informatics group as a summer intern. Project included working with the Tox/PK department to develop a web application that allowed users to perform flexible queries on the results of various studies.

Summer, 2004

MESA Tutor:

Cuyamaca Community College

El Cajon, California

Worked in the MESA department (Math, Engineering, Science Achievement) tutoring mathematics, physics, and computer science.

2003-2004

Education

Intelligent Systems and Robotics, Computer Science Masters Program

San Diego State University

San Diego California

2007 to Present

Computer Science major, Math minor

San Diego State University

San Diego California

Deans List, Spring semester, 2005.

Graduated : Winter 2006

Proficiencies and Awards

- Proficient in Java, PHP, Javascript (Ajax and object-oriented with the prototype.js extension), Ruby on Rails, MySql, Matlab.
- Course work:
 - Web programming with JavaScript, Perl CGI, and Java Servlets. This course focused on developing dynamic webpages using the above technology.
 - Evolutionary and Adaptive Computation. This course focused on using biologically inspired models of computation such as genetic algorithms, classifier systems, and agent based frameworks similar to Copycat to address issues in Artificial Intelligence research.
- Presented on the subject of "Biologically Inspired Behavioral Modifiers In The Starcat Framework" at the 2006 Undergraduate Research Symposium at San Diego State University.
- Eagle Scout. June 2000