

EDUCATION

Reed College - Portland, OR; 2006-2010

Bachelor of Arts in Mathematics.

Thesis - A Colorful Clustering: A Structural Analysis of Hartigan's Modal Method for Block Clustering

German Language Schools: Friedländer-Schule & Hartnackschule - Berlin, Germany; 2005

Completed courses German language.

Mississippi School for Mathematics and Science - Columbus, MS; 2003-2005

Public, admissions-based, residential high school for juniors and seniors.

EXPERIENCE

Lucky Sort Inc., Cofounder - Portland, OR; April 2011-March 2012

Addressed the design and implementation needs of a text analytics startup from day one to first round of funding. Worked on system architecture, IT, CI, QA, analytics, product design and client management. Primary creator and maintainer of a text extraction and processing engine using nlp techniques and content detection algorithms.

Qmedtrix Inc., R&D Engineer - Portland, OR; July 2009-April 2011

Worked on a small team to develop a scalable platform for various medical billing operations in the insurance industry, such as fraud detection, adjudication, pricing, and automatic report generation.

Reed College, Teacher's Assistant - Portland, OR; Aug. 2008-Dec. 2008

Assisted the Introduction to Computing class taught in the Fall 2008 semester. Helped run computing labs, graded homework, and kept office hours for tutoring.

Texas A&M University, MCTP Participant - College Station, TX; Summer 2008

Selected to participate in a six-week, NSF-funded undergraduate program at Texas A&M (Mentoring through Critical Transition Points). Experienced gained in signal and image analysis, using Fourier analysis, wavelets, and computer software such as MatLab.

Gulf Coast Research Lab, Summer Intern - Ocean Springs, MS; Summers 2004-2006

Studied a parasite that lives on the skin of stingrays; Gave a lecture to the American Society of Parasitologists and the Mississippi Academy of Sciences; Worked on NSF grant: Small Grants for Exploratory Research (NSF Award No. 0608603).

KEYWORDS

Python, Scala, R, SQL, Javascript, LaTeX, PostgreSQL, MySQL, MongoDB, Emacs, Linux (Debian-based), git, ggplot, Redis, Kafka, Jenkins, Rabbitmq, distributed design, agile, test-driven development, information science, data visualization