

EDUCATION

Reed College - Portland, OR; 2006-2010

B.A., Mathematics.

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

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

Completed German language courses.

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. Primary creator and maintainer of a text extraction and processing engine using nlp techniques and content detection algorithms. Otherwise, worked on system architecture, IT, CI, QA, analytics, product design and client management.

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

Worked on a small team to develop a platform for 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. Helped run computing labs, graded homework, and 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. Experienced gained in signal and image analysis, using Fourier analysis, wavelets, and MatLab.

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

Studied a parasite that lives on the skin of stingrays. Presented to the American Society of Parasitologists and the Mississippi Academy of Sciences. NSF Award No. 0608603.

KEYWORDS

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