Eric Miller

✉ ericmailr@gmail.com | ☐ (208)409-6412 | 📍 Boise, ID | % github.com/ericmailr

Skills

Object-oriented Programming [3 years]:   Java, Ruby.
Web Development [1-2 years]:   Javascript, Ruby on Rails, HTML/CSS.
Other Languages [1-2 years]:   SQL, Matlab, C.
Mathematical Ability: Computational Analysis, Statistics, Strong problem-solving skills.

Education

Boise State University   *Boise, ID*
BS in APPLIED MATHEMATICS – minor in COMPUTER SCIENCE   *Jan 2013 – Dec 2016*
GPA: 3.7

Projects / Coursework

Senior Thesis – Incomplete LU Factorization   *Matlab*
COMPLETED SEMESTER-LONG RESEARCH PROJECT ON CONDITIONING LARGE, SPARSE MATRICES VIA INCOMPLETE LU FACTORIZATION–A NUMERICAL METHOD USED TO INCREASE EFFICIENCY IN APPROXIMATING LARGE SYSTEMS OF EQUATIONS.

Research Project – Traveling Salesman Problem   *Matlab*
RESEARCHED AND IMPLEMENTED A 'SIMULATED ANNEALING' SOLVER FOR THE 'TRAVELING SALESMAN PROBLEM'– A COMBINATORIAL OPTIMIZATION PROBLEM IN WHICH THE SHORTEST ROUTE THROUGH EVERY NODE OF A LARGE, UNDIRECTED WEIGHTED GRAPH IS APPROXIMATED.

Computer Science Coursework
OO PROGRAMMING, DATA STRUCTURES, DESIGN/ANALYSIS OF ALGORITHMS, WEB DEVELOPMENT, THEORY OF COMPUTATION, INFORMATION RETRIEVAL, SYSTEMS PROGRAMMING.

Work Experience

Private Math Tutor   *Treasure Valley, ID*
TUTOR   *Sept 2018 – Present*
- Improve students' comprehension of concepts ranging from arithmetic to advanced calculus and differential equations.
- Prepare weekly, individual-specific quizzes and lesson plans that identify and correct errors in mathematical thinking.
- Collaborate with parents on ways to cater to a variety of learning-styles and behavioral needs.
- Raised student math scores by as much as 3 letter grades.

CaptionCall   *Meridian, ID*
COMMUNICATIONS AGENT   *Feb 2013 – Apr 2018*
- Rendered verbatim transcriptions of telephone conversations in real time for individuals who are hard of hearing.
- Submitted software bug reports.
- Provided management with constructive feedback regarding ways to improve captioning quality.
- Maintained one of the top 10 highest average call accuracy scores company-wide (more than 3,000 Agents) over the period of a quarter.

Gandolfo's Delicatessen   *Meridian, ID*
SHIFT LEADER   *Apr 2010 – Apr 2012*
- Managed and trained employees.
- Completed daily cash audit and balanced tills.
- Provided efficient and friendly customer service in a fast-paced environment.

Achievements

2016   **Graduated cum laude**.
2014   **Made Dean's List with Highest Honors for 4 semesters**.
2011   **Earned the Eagle Scout Award**.