Anthony Palumbo

✉ ajp1925@rit.edu   ⌂ anthonyjpalumbo.net   APalumbo97   AnthonyJPalumbo

Education

B.S. Software Engineering   *Rochester, NY*
Rochester Institute of Technology   *Aug. 2015 - Present*
- Minoring in Computer Science, GPA 3.35 / 4.00
- Coursework includes Object-Oriented design patterns, process and project management, web development, and the mechanics of programming.
- Member of the Society of Software Engineers.

Experience

Amazon   *Boston, MA*
Software Development Engineer Intern   *May 2017 - Dec. 2017*
- Worked with Search Knowledge, the team responsible for providing additional information about products
- Developed several packages for a machine learning project focused on data extraction
- Parallelized code for use with Apache Spark to reduce runtime
- Used Elasticsearch to create a scalable system for storing structured information in a search index
- Used Apache MXNet to create word embeddings from unstructured text
- Unit tested code and conducted code reviews with other full-time engineers
- Followed Scrum methodology with two week sprints, stand ups, and issue tracking software similar to Jira

Rochester Institute of Technology - Department of Computer Science   *Rochester, NY*
Student Lab Instructor   *Aug. 2016 - Dec. 2016*
- Assisted students in Computer Science 1 with weekly lab assignments, graded labs, projects, and exam practicals
- Tutored students with CS assignments in the CS tutoring center

Projects

Library Book Management System - `https://git.io/v7Bc5`
- Project for Engineering of Software Subsystems class focused on using design patterns with OOP.
- Implemented in Java as a desktop application for a library to manage owned books and purchases.
- Team consisted of five members with two releases of the project and a final design report.
- Features the use of the Google Books API to simulate new book purchases.
- Uses serialization to store data between system startups.

Sudoku Solver - `https://git.io/vbhby`
- Personal project that uses a brute force backtracking algorithm to solve a sudoku puzzle.
- Implemented in C++ as a command line program that takes an input file to read in the initial puzzle.
- Run time takes less than a second on most machines without adding a compiler optimization option.

Personal Website - `https://www.anthonyjpalumbo.net`
- Personal website coded in basic HTML, CSS, and JavaScript, hosted using GitHub Pages.
- Contains information about projects I have completed or worked on.

Skills

Proficient Languages	Java, C, Python
Beginner Languages	HTML, CSS, Ruby, SQLite, C++, JavaScript, Latex
Tools/Frameworks	Git, Django, UML, PyCharm, Intellij, Vim, Stanford NLP, Elasticsearch, Apache Spark, Apache MXNet, Scikit-learn, AWS
Other	Machine Learning, Deep Learning, Natural Language Processing, Continuous Delivery, Object-Orientation, Graphical User Interfaces, Multithreading, Web Services, Unix, JSON, Serialization

Awards

Eagle Scout   *July 2015*
Boy Scouts of America
- Highest rank in scouting that must be achieved before the scout's 18th birthday.
- Developed and managed a service project to gain leadership skills for a non-profit organization.
- Achieved various merit badges from Hiking to Computers and served as a Patrol Leader for Troop 203.

Dean's List   *Fall 2015 & Spring 2016*
Rochester Institute of Technology
- Earned Dean's List both semesters freshman year for obtaining a GPA greater than 3.400.