

Anthony Palumbo

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Education

Bachelor of Science in Software Engineering

Aug. 2015 - May 2020

Rochester Institute of Technology, Rochester, NY

- Minor in Computer Science, GPA 3.35 / 4.00
- Society of Software Engineers member.

Experience

Amazon - Search Knowledge

Boston, MA

Software Development Engineer Intern

May 2017 - Dec. 2017

- Developed several packages for a machine learning project focused on data extraction using Python and Java.
- Parallelized code for use with Apache Spark to reduce runtime.
- Used Elasticsearch to create a scalable system for storing structured information.
- Used Apache MXNet to create word embeddings from unstructured text.
- Unit tested code and conducted code reviews.
- 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, tutored CS students, and graded labs and projects.

Projects

Library Book Management System - <https://git.io/v7Bc5>

- Implemented in Java as a desktop application for a library to manage owned books and purchases.
- Featured the use of the Google Books API to simulate new book purchases.
- Used 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>

- Developed in basic HTML, CSS, and JavaScript, hosted using GitHub Pages with a Google domain.

Skills

Proficient Languages Java, C, Python

Beginner Languages HTML, CSS, Ruby, SQLite, C++, JavaScript, LaTeX

Tools/Frameworks Git, Django, UML, 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

- Developed and managed a service project to gain leadership skills for a non-profit organization.
- Completed various merit badges ranging from Computers and Engineering to Hiking and Camping.