

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 3.5/4.0, Society of Software Engineers

Experience

Microsoft

Seattle, WA

Software Engineer Intern

May 2018 - Aug. 2018

- Developed front-end visualization for data center networking statistics.
- Worked with React, TypeScript, C#, Node.js and added visuals to an existing website.
- Retrieved data from Microsoft internal database to display latency, location, region, etc.

Amazon

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.
- Followed Scrum methodology with two week sprints, stand ups, issue tracking software, code reviews, etc.
- Submitted a paper with colleagues to an internal machine learning conference at Amazon which was accepted.

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

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.

Honors

Patent Application

Feb. 2018

Submitted Feb. 20, 2018

- Boteanu, A., Palumbo, A., Artzi, S., Kiezun, A., Matta, R. V., Amazon Technologies Inc, 2018. "Grouping Salient Content from a Corpus of Information." Patent Pending.

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.

Skills

Proficient Languages Java, C, Python

Beginner Languages HTML, CSS, Ruby, SQLite, C++, C#, JavaScript, TypeScript, Latex

Tools/Frameworks Git, Django, UML, Vim, Stanford NLP, Elasticsearch, Apache Spark, Apache MXNet, Scikit-learn, AWS, React
Other Machine Learning, Deep Learning, Natural Language Processing, Continuous Delivery, Object-Orientation, Graphical User Interfaces, Multithreading, Web Services, Unix, JSON, Serialization