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# Corey Redmon

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## Work Experience

Clemson University School of Computing August 2017 – December 2018  
Teaching Assistant — Taught computer science labs for Algorithms and Data Structures.  
Graded computer science projects, papers, and exams. Held office hours to answer students' questions about the course.

SCI Fusion360 January 2019 – Present  
Associate Software Developer — Aided with product support for IBM's Financial Transaction Manager. Provided support by finding solutions to product defects.

## Academic and Personal Software Projects (see <http://github.com/redmoncoreyl/resume>)

*Google Page Rank* — Implements Google's Page Rank algorithm for web search using random walks and a subnetwork of the internet in order to rank pages matching a given search.

*New Graph Colorings* — Studies two alternative algorithms for finding minimal colorings for new undirected graph colorings introduced in the project. Uses LEMON graph library for C++.

*Turing Machine* — Uses formal definition of Turing machine to interpret input files which specify a Turing machine and compute output. Also includes example Turing machine files.

*C-lite Interpreter* — Develops a new programming language, C-lite, which is a simplified version of C. Also includes an interpreter for this language and example C-lite programs.

## Education

Master of Science, Computer Science December 2018  
Clemson University  
GPA: 3.40

Bachelor of Science, Computer Science May 2017  
Clemson University  
GPA: 3.57

## Areas of Focus

- Network analysis and network flow algorithms.
- Automata theory and formal language theory.
- Algorithm and data structure design and analysis.
- Experience teaching computer science theory and concepts to undergraduates.
- Computational geometry.
- Program semantics.