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# Corey Redmon

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## Work Experience

- Senior Software Engineer – Persistent Systems (formerly SCI Fusion360) October 2021 – Present
- Managed strong relationships with three banking clients and one marketing client.
  - Delivered documentation of several payment processing systems for Frost Bank.
  - Developed an automated deployment process for Frost Bank.
- Associate Software Developer – SCI Fusion360 January 2019 – October 2021
- Aided with product support for IBM's Financial Transaction Manager.
  - Provided support by finding solutions to defects in IBM's Financial Transaction Manager.
  - Developed automated unit tests for BB&T's Zelle Client Care Tool.
  - Developed new features for BB&T's Zelle Client Care Tool.
  - Provided iOS Swift development support for Retail Sports Marketing.
- Teaching Assistant – Clemson University School of Computing August 2017 – December 2018
- 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.

## 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.

## Skills, Abilities, and Certifications

- Professional Scrum Master I issued by Scrum.org
- Proficient in Java, C++, JavaScript, HTML, CSS, SQL, Python.
- Knowledgeable with source version control systems, defect tracking, and documentation.
- Training in and experience with Agile methodology.
- Strong communication skills and ability to work in teams.
- Committed to continuous learning and professional development.

## Education

- Master of Science, Computer Science December 2018  
Clemson University
- Bachelor of Science, Computer Science May 2017  
Clemson University