Michael L. Hollingworth

Software Engineer

Contact

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Programming Languages

C, C++	HTML	RegEx
C#	JavaScript	Python
Java	CSS	R

Libraries and Software

Git	Angular 6
RestSharp	Node.js
STL	Qt
Unity3D	Adobe Suite

Technical Skills

Advanced data structures

Algorithm design

Programming logic

Linear optimization

Statistical analysis

Time complexity analysis

Business Skills

Organization

Communication

Writing

Project management

Leadership and teamwork

Innovation

Innovative, dedicated software engineer skilled in object-oriented design, web development, and mathematics. Seeking the opportunity to leverage abilities in research and creativity while collaborating with a team and growing as a developer.

Experience

Oct. to Dec. 2018

Software Development Intern
HealthStream Verity
- Developed web plugins for health provider verification
- Used web design knowledge and RegEx to scrape web for desired information
- Skills used: C#, Git, HTML, RestSharp, RegEx

Mar. 2018 to Jun. 2019

Executive Leadership Team Member
The National Society of Leadership and Success
- Developed and implemented member engagement and induction strategies
- Planned events, managed internal logistics, interviewed board members, and facilitated meetings
- Skills used: Leadership, teamwork, communication

Projects

Feb. 2019

Quine-McCluskey Minimization
Components and Design Techniques for Digital Systems
- Developed an algorithm in Java that implemented Quine-McCluskey for sum of product minimization with branch and bound
- Skills used: Java

Feb. 2018

Presidential Lipsum
Advanced Data Structures
- Developed a trie that generated a mock speech from presidential speeches
- Skills used: C++

Education

Jun. 2019

B.S. Mathematics - Computer Science
The University of California, San Diego
- The National Society of Leadership and Success
- Relevant coursework: Abstract Algebra, Combinatorics, Linear Optimization, Statistical Methods, Programming Languages: Principles and Paradigms, Theory of Computabilty

May 2017

A.S. Degree for Transfer - Mathematics
Diablo Valley College, Contra Costa County
- Alpha Gamma Sigma Honor Society
- Relevant coursework: Discrete Mathematics, Graphic Design, Vector Calculus