David Song

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SKILLS SUMMARY

PROGRAMMING LANGUAGES
Proficient
Java • C++ • Bash • PostgreSQL
C • JavaScript • Racket • LaTeX • HTML
Elementary
Scala • CSS • Ruby • MIPS • Python

TECHNOLOGIES
Web Frameworks
Apache Struts • Meteor • Rails
Libraries
jQuery • Node.js • KineticJS

COURSEWORK

COMPUTER SCIENCE
Data Structures and Management
| Complexity Analysis |

Objected Oriented Programming
| C++ | Bash |

Computer Design and Architecture
| MIPS |

Algorithm Design and Data Abstraction
| C | Racket |

MATHEMATICS
Optimization
(Linear, Nonlinear and Discrete)

Combinatorics
(Enumeration and Graph Theory)

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Mathematics
Expected May 2018 | Waterloo, ON
Major in Honors Computer Science
Faculty of Mathematics

FIND ME

Github:// **dstratossong/**
LinkedIn:// **in/dstratossong/**
Quora:// **David-Song-20/**

EXPERIENCE

APPRENTICE WEB DEVELOPER | Titan Technologies
May 2013 – Aug 2013 | Toronto, ON | Titan-Technologies.org
- Took initiative and gave medium-scale recommendations on implementation of project needs, and new features that complement the project
- Researched and integrated RESTful API into existing project and revised business model with manager to give rightful discount for service
- Planned and collaboratively built an interactive design tool
- Enforced and helped with logging and documentation within project

| Java | AJAX | Apache Struts | JavaScript | HTML5/KineticJS | Ant | Tomcat |

PROJECTS

CO-FOUNDER | ConNextor
October 2014 – Present | Waterloo, ON | ConNextor.co
Web platform that brings collaborators together to bring an idea to production.
- Write beginner-friendly guides and informative posts to ensure the team is on the same page
- Regular meetings with team to improve and discuss new features
- Core development on back-end and front-end work

| Ruby on Rails | CSS | Node.js | PostgreSQL |

RESEARCHER | BioNaVist Project
September 2014 – Present | Waterloo, ON & Berkeley, CA
Research on storing biological aging process in digital format.
- Research and implement natural language processing algorithms
- Filter mined data with existing data to attain useful results
- Cluster data using the Chinese Whispers Algorithm

| Scala | PostgreSQL | NLP |

FOUNDER | After School eSports Publication
January 2015 – Present | Waterloo, ON | AfterSchoolPublication.com
Online publication that promotes eSports community and commentate its growth.
- Developed structure of project that allows collaboration between schools
- Started building a secure website with clean UI using new framework

| Meteor | MongoDB |

SOCIETIES

SECRETARY | AppDev Club
January 2015 – Present | Waterloo, ON | AppDev.uwaterloo.ca
- Give tutorials on important frameworks like git to new developers
- Mentor in projects and address any issues

AWARDS AND HONORS

2013	Waterloo National Scholarship	One of eleven
2013	TOPS Program with Distinction	Class of 2013
2013	Canadian Computing Contest (Senior)	Top 25 people