David Song

http://www.meetdavidsong.com
me@meetdavidsong.com | (647) 453-9260

EDUCATION

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

BLOOR COLLEGIATE INSTITUTE
SECONDARY SCHOOL DIPLOMA
Grad. June 2013 | Toronto, ON
Founder of Computer Science Club
2010 – 2013, Top 50 in DWite contest

LINKS

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

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)

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

EXPERIENCE

TITAN TECHNOLOGIES | APPRENTICE WEB DEVELOPER
May 2013 – Aug 2013 | Toronto, ON
- 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 ensure proper charging of 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

CONNEXTOR | CO-FOUNDER & DEVELOPMENT ADMINISTRATOR
October 2014 – Present | Waterloo, ON | ConNextor.co
Web platform that brings collaborators together to bring an idea to production.
- Write guides and posts to ensure all team members are 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 |

BIONAVIST PROJECT | RESEARCHER
October 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 |

AFTER SCHOOL ESPORTS PUBLICATION | FOUNDER
October 2014 – Present | Waterloo, ON | AfterSchoolPublication.com
Online publication that promotes eSports community and commentate its growth.
- Developed structure of project that allows collaboration between schools
- Build website to have clean UI and secure back-end using new framework

| Meteor || MongoDB |

SOCIETIES

APPDEV CLUB | SECRETARY AND WEB DEVELOPMENT MENTOR
October 2014 – 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	One of eleven	Waterloo National Scholarship
2013	Class of 2013	TOPS Program with Distinction
2013	Top 25 people	Canadian Computing Contest (Senior)