

David Song

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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)