David Song

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ABOUT ME

Enthusiastic programmer with high standards for best-fitting design, efficient implementation and best styling with the stubbornness to meet these standards; Eager to try, learn and conquer new things; Provide support and momentum toward teammates, and in turn, work best alongside a fun and supportive team.

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Mathematics
Expected May 2018 | Waterloo, ON
2nd Year in Honors Computer Science
Faculty of Mathematics

COURSES

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

AWARDS/HONORS

Waterloo National Scholarship
2013 | Waterloo, ON
Awarded to eleven University of Waterloo applicants with exceptional skills in math

Canadian Computing Contest
2012 | Waterloo, ON
Top 25 nationwide in algorithm-intense computational competition

EXPERIENCE

WEB DEVELOPER | Titan Technologies Inc
May 2014 – Aug 2014 | Toronto, ON | titan-technologies.org
Summer internship and part of a small team working on the Shipmatica
- Integrated third-party RESTful API into existing project, provide easy usage of tools that integrate multiple modules of project, and revised business model with manager for better alignment
- Planned and collaboratively built an interactive design tool in front-end
- Direct interaction with client to help troubleshoot or discuss specific needs and insure that application flows intuitively
- Leader and the enforcing role of accurate logging and descriptive documentation within project

Ant | Apache Struts | Java | JavaScript | PostgreSQL | WebSockets

PROJECTS

FULL STACK DEVELOPER | ConNextor Project
October 2014 – Present | connextor.co | Github
Side project with university friends which I dedicate most of my time now
- Full Ruby on Rails operating web application built with strong collaboration using source control
- Designed and wrote simple, interactive and responsive front-end, conforming to most current design patterns and styling
- Designed data model and revised implementations of it throughout development to ensure the usages of only the best practices
- Ensure quality of code and in alignment with accepted standards

Bootstrap | Git | JavaScript | PostgreSQL | Ruby on Rails | Sass

RESEARCHER | BioNaVist Project
September 2014 – Present | Waterloo, ON & Berkeley, CA
Ongoing research on storing biological aging process in digital format
- Research and refine natural language processing algorithms
- Filter mined data with existing accepted data to attain improve and give a sense of accuracy to results
- Implemented the Chinese Whispers clustering algorithm as an extension of the graphing library
- Presented our progression at the Boston Experimental Biology Conference

NLP | Node.js | Scala | Sigma.js | WebSockets

SECRETARY | AppDev Club
January 2015 – April 2015 | Waterloo, ON | appdev.uwaterloo.ca
- Give tutorials on important frameworks like git to new developers
- Organize meetings with other executives
- Mentor in projects and address any issues