
EDUCATION

Honours BSc in Computer Science and Statistics (3.9/4.0 DGPA) | University of Toronto 2013-2017

Courses: Software Design, Programming Languages, Enriched Data Structures & Algorithms,

Databases, Multivariable Calculus, Systems Programming, Statistics & Probability

Awards: Dean's List, President's Entrance Scholar, Trinity College Entrance Scholar

WORK EXPERIENCE

Data Analyst | *Varsity Athletics, University of Toronto* 2013-2014

- Recorded, calculated, and visualized in-game statistics using Excel to enable player performance tracking
 - Informed coaching decisions and game strategies using insights and analysis derived from the data
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PROJECTS

U of T Robotics Autonomous Rover Team | *C++, ROS, OpenCV* Fall 2014

- Led path planning algorithm research and discussion to use an anytime dynamic A* algorithm (AD*)
- Improved runtime by 50% while maintaining overall path optimality compared to A*, using AD*
- Collaborated with 30 engineers (3 teams) over 4 months for the Intelligent Ground Vehicle Competition

University Course Management Website | *Django, React.js* Fall 2014

- Implemented a service which visualizes possible lecture/tutorial combinations based on user preferences
- Implemented the feature of integrating user class schedules with Google Calendar and iCal
- Created an easier class planning experience, reducing scheduling time by 60% for 34,000 U of T students

Student Life Search Engine | *MongoDB, Express.js, AngularJS, Node.js (MEAN)* Summer 2014

- Reduced searching to a single click by showing results dynamically and adding search suggestions
 - Refactored code to fit MVC principles and improved file/variable naming for code maintainability
 - Enabled sharing on social networks by linking the users' Facebook accounts using the Facebook API
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SKILLS & INTERESTS

Languages Bilingual English-French, Proficient Mandarin

Skills Python (proficient), C/C++ (familiar), Java (course experience)
Git, SVN; HTML/CSS/JS, PostgreSQL

Activities UofT Data Science Group, UofT Undergraduate Theory Group, UofT SSBM Club, Trinity College String Quartet Violist, Trinity College Men's Soccer Team, Hart House Chess Club,

Note: Please see website for full list of coursework and projects