Darren **Cao**
3A Software Engineering / 20522311

contact

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programming

technologies
Proficient in:
C#, C++, Java
Ruby on Rails
JavaScript (AngularJS)
HTML, CSS (Bootstrap)
SQL

Experience with:
Python (Django, Flask)
Node.js (Express)
MongoDB

tools
Git, SVN, Bash

interests

Tinkering with new technologies (hardware and software)
Playing and following all major sports
Watching movies

Work Experience

Sep–Dec 2015   **DBRS**   *Toronto, Ontario*
Full-Stack Developer
- Developed new features in the core application to improve business processes using AngularJS, C#, and SQL at Canada's largest credit rating agency
- Complete reimplementation of the rating checklist feature for reviewers in order to support a restructured rating process
- Improved existing methodology status tracker tool by redesigning the front-end and adding business logic to increase analyst efficiency

Jan–Apr 2015   **ULTIMATE SOFTWARE**   *Weston, Florida*
Software Engineering Intern
- Created and released a webpage scraping Chrome Extension for the code generation of Selenium-based automated tests using HTML, CSS, and Javascript
- Optimized the speed of Excel report generation tool by over 250% by reducing dependency on Component Object Model processes

May–Aug 2014   **TORONTO HYDRO**   *Toronto, Ontario*
Student Technician
- Created and verified station design drawings using CAD, whilst demonstrating strong teamwork skills and a keen attention to detail

Projects

Nov 2015   **ICUbot**   https://github.com/ICUbot
- Engineered an intruder-chasing robot in C#, leveraging the Microsoft Kinect API for human detection and tracking logic, with a Node.js back-end and robot OS running on Raspberry Pi
- Winner of **Best Microsoft Hack** at HackPrinceton Fall 2015, with more information and demo at http://devpost.com/software/icubot

Oct 2015   **StoryBook**   https://github.com/storybook
- A full Ruby on Rails web-app where users can create journal entries, upload pictures, and view other user stories

Education

2013–Present   Candidate for **Bachelor of Software Engineering**   *The University of Waterloo*
Cumulative Average: 87%
- Ranked top 10 in the class for multiple terms

Awards and Achievements

Engineering Upper-Year Scholarship for Academic Achievement (2015), American Invitational Mathematics Examination (AIME) Qualifier (2013), President's Scholarship of Distinction (2013)