

Kurt DaCosta

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EDUCATION

MCMASTER UNIVERSITY

B.A.Sc HONOURS IN COMPUTER
SCIENCE

Expected May 2016 | Hamilton, ON
Minor in Information Systems
(DeGroote School of Business)

COURSEWORK

UNDERGRADUATE

McMaster University:
Data Structures & Algorithms
Computer Architecture
Operating Systems
Principles of Programming
Software Design Fundamentals
Computer Based Problem Solving

INDEPENDENT

Johns Hopkins University:
Data Science Specialization via Coursera
Stanford University:
CS193P - iPhone Application
Development

SKILLS

PROGRAMMING

Languages:
Java • Objective-C • JavaScript
HTML5 • CSS
Frameworks:
Node.js • Angular.js • iOS CocoaTouch
Design & Development Patterns:
Object Oriented Programming
Agile Methodologies • MVC Design
RESTful Web Services
Technologies:
Amazon Web Services • NGINX
MongoDB • GIT • XCode

INTERESTS

Big Data • Cloud Computing • Service
Oriented Architecture • Startups •
Entrepreneurship • UI/UX Design

EXPERIENCE

UNDERGRADUATE RESEARCH ASSISTANT | MCMASTER UNIVERSITY

June 2014 – Present | Hamilton, On

- Working under the supervision of Dr. Kevin Veenstra (DeGroote School of Business), I build web application to assist in data scraping and aggregation.
- Indeed & Glassdoor Crawler - extract hundreds of thousands of reviews for S&P 500 companies from Indeed and GlassDoor. Saving over \$5000 worth of manual data entry costs.
- RateMyProfessor Crawler - Revision of Indeed & Glassdoor Crawler with caching mechanisms implemented to reduce server load after a failed crawl.
- Stack: Node.js, Angular.js, MongoDB, NGINX, Amazon Web Services

TECHNICAL CO-FOUNDER | WOOF LABS, INC

Feb 2014 – June 2014 | Toronto, On

- Woof is a social network for dog lovers, available today on the Apple App Store.
- Over 50,000 downloads and 150,000 pictures uploaded.
- Prioritized project deadlines and communications via team collaboration applications.
- Re-focused software development to follow modern agile development methodologies.
- Implemented cloud infrastructure to handle exponential user growth.
- Designed user interfaces for iOS and web applications.

LEAD MOBILE DEVELOPER - IOS | NITEROLL, INC

May 2013 - April 2014 | Ottawa, On

- NiteRoll iPhone app - Implemented workflows for purchasing tickets and using them for entry. Created custom user experiences using Apple MapKit API. Users no longer required to print tickets for event entry.
- NAccess iPhone & iPad app - Developed application from requirements to final production release. Implemented workflows for adding and entering guests, viewing door analytics, and scanning tickets through device camera. Reduced guestlist lookup times by 90%. Clients each saved on average \$100 in ticket scanning hardware costs per unit.
- Worked with backend teams to ensure projects were being developed according to client requirements.
- Used past experience in nightlife and live event management to provide sales teams with industry expertise in select markets.

VOLUNTEER EXPERIENCE

SPEAKER | GOOGLE DEVELOPER GROUP

March 2014 | Waterloo, On

- Presented to a group of local developers about the "MEAN" web development stack, its pros & cons and did a "code together" demo, where as a group we created a real-time chat application.
- Slides - slideshare.net/kurtdacosta/the-mean-stack-an-introduction
- Code - github.com/kurtbradd/MEAN-Chat-App

GROUPS

2014 Waterloo Google Developer Group
2012 McMaster Computer Science Society