

Kurt DaCosta

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COURSEWORK

MCMASTER UNIVERSITY

Data Structures & Algorithms
Computer Architecture
Operating Systems
Principles of Programming
Software Design Fundamentals
Computer Based Problem Solving
Information Systems In Business

JOHNS HOPKINS UNIVERSITY

Data Science Specialization via
Coursera (expected April 2015)

STANFORD UNIVERSITY

iPhone Application Development

SKILLS

Java • JavaScript • Objective-C
Node.js • Angular.js • Express.js
iOS CocoaTouch • NGINX
Redis • MongoDB • GIT
Agile Methodologies

LEADERSHIP

HACKITMAC

Organized technology talks and
provide mentorship on current web
technologies and architectures.

DELTAHACKS

Organizing the first hackathon at
McMaster University. Managing
development of registration,
submission and sponsor systems.

GOOGLE DEVELOPER GROUP

Presented an introduction to the
"MEAN" web development stack.

MCMASTER SOFTWARE ENGINEERING OLYMPICS

Coordinated execution of
programming challenges to over 125
highschool students from across
Ontario. Judged submissions and
provided mentorship to participants.

EDUCATION

MCMASTER UNIVERSITY | HONOURS B.A.Sc, COMPUTER SCIENCE

Expected May 2016 | Hamilton, ON

- Minor, Information Systems - DeGroote School of Business

WORK EXPERIENCE

UNDERGRADUATE RESEARCH ASSISTANT | MCMASTER UNIVERSITY

June 2014 – Present | Hamilton, ON

- Consulted with Dr. Kevin Veenstra (DeGroote School of Business, McMaster University), to identify solutions to improve efficiency of research staff.
- Developed and deployed web applications to streamline data scraping.
- Applications have saved over \$5000 in manual data entry costs.

CO-FOUNDER & ENGINEERING LEAD | WOOF LABS, INC

Feb 2014 – September 2014 | Toronto, ON

- Implemented cloud infrastructure to handle growth to 60,000 users.
- Migrated monolithic application to service-oriented architecture.
- Resolved performance bottlenecks using proven web technologies.
- Involved in all aspects of the company, from design to investment and product strategy.

IOS DEVELOPER INTERN | NITEROLL, INC

May 2013 - April 2014 | Ottawa, ON

- Implemented user interface, ticket purchase workflows, and location based features for venue patrons.
- Implemented scanning tickets via device camera, and analytic dashboards to monitor promoter and venue performance.
- Mobile application reduced host staffing requirements, saved nightclubs \$5000 per year.

PROJECTS

TIPSYLOCK

The Next 36 Hackathon 2014

Drunk driving deterrent using Muse EEG
headband and Nymi ECG wristband
wearable technology. **1st place winner**

PEEP

YHack 2014

iOS Hyperlocal Apparel Search

FB MUSIC RECOMMENDER

Personalized music discovery platform
using Facebook Graph API.

VISUALIZATION OF CLUSTERS IN HIGH-DIMENSIONAL MUSIC DATA

McMaster University & Microsoft
Building machine learning pipeline to
ingest 600MM rows of global music
consumption data.

MCMASTERGRAM

Built web application that displays all
Instagram media with McMaster
University related tags.