

# NABIL BARAKATI

Student ID# 20616286

2A Honours Mathematics (Computer Science) | Business Option  
University of Waterloo

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## SKILLS SUMMARY

- Excellent software design knowledge of front-end systems
- Experienced with modular and asynchronous web design patterns
- Critical and analytical thinker with exceptional attention to detail
- Exceptional communication skills obtained through project management experiences
- Extremely efficient self learner with a passion for new technologies

## EDUCATION

University of Waterloo, Waterloo, ON Sept 2015 - Present

*Candidate for Honours Bachelor of Mathematics - Business Option*

Relevant Course Experience:

- Developed knowledge on C and Scheme: Recursion, Mutations, Data Structures
- Obtained in-depth understanding of encapsulation, polymorphism and various algorithms
- Acquired knowledge on algorithm efficiency, ADT implementation and memory management
- Gained a strong understanding of probability models, variances, covariances and data distributions

## WORK EXPERIENCE

Ontario Medical Association, Toronto, Ontario May - Aug 2015

*Front End Developer - Web Modernization*

- Encouraged and guided the company to adopt Agile methodologies with Scrum sprints and the utilization of daily stand-ups, backlogs as well onboarding them with Slack to help improve communication
- Designed and implemented multiple asynchronous web apps with adaptive UI: OMA Elections, New Member Application, My Account (Member Portal)
- Lead the standardization of the "OMA stylesheet" to maintain a standard look and feel across all OMA applications, which was lacking prior to my initiative
- Halved the development time for OMA Single Page Applications by developing a framework which controls the views, performs validation and submits the models

Flare, Toronto, Ontario July - Aug 2015

*Web & Android Developer*

- Created a newsfeed for a web application that allows customers to create and see large events happening in their local areas
- Provided consultation for the enhancement of their UI/UX on both their web and mobile applications
- Root caused and patched issues that were major blockers for their initial release

## INTERESTS

Computer Algorithms | Data Science | Machine Learning | Finance | UI/UX |  
Social Networks | Web Design | Biology | Fitness | Video Games |

### LANGUAGE EXPERIENCE:

C, C#, Python, Scheme, .NET framework, SQL, Node JS, HTML5, JavaScript, Typescript, Angular2, CSS, Bootstrap, JQuery

### SOFTWARE/ TOOLS:

GIT, TFS, Heroku, BitBucket, XCODE, Android Studio, Visual Studio, Microsoft Office

### HIGHLIGHTS:

Algorithms

Web Development

UI/UX

Project Management

Business Analysis

Management Science

### SIDE PROJECTS:

#### **Reachr**

Activity based social-network which allows students with busy schedules to easily coordinate meetups.

Developed business plan & website:  
<http://reachrapp.com/>

#### **Code Name Envio**

A web and mobile application used for crowdsourcing data. Designed to allow users to report issues within their neighbourhood with the option of upvoting events of concern. Events of high concern would then appear on the global map for officials to take action

#### **Rezoom - (Planning Phase)**

A contextual vocal search engine. Vocally describe a position in some media (movie, book, tv show) and the system will automatically resume from their described "scene"