

NABIL BARAKATI

Student ID# 20616286

<http://nabil.xyz>

2B Honours Computer Science | Business Option
University of Waterloo | Expected Graduation: April 2020

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SKILLS SUMMARY

- Excellent software design knowledge of web-based 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 Computer Science - Business Option

Relevant Course Experience:

- Developed knowledge on C and C++: Recursion, Mutations, Data Structures
- Obtained in-depth understanding of several design patterns and algorithms
- Acquired knowledge on algorithm efficiency, ADT implementation and memory management
- Gained a strong understanding of statistical models and data distributions

WORK EXPERIENCE

Capital One, North York, Ontario

Jan - April 2017

Software Engineer - Web & Infrastructure

- Migrated web development in-house, designed and architected web platform
- Developed fully automated CI/CD pipeline, included features such as rolling-back, archiving, cross-region replication, traffic distribution & infrastructure initialization
- Successfully cut down production deployment times by 99%
- Onboarded fully automated visual testing tool, 'Visual Diff', preventing visual defects from passing through the CI/CD pipeline
- Leveraged Contentful to modularize reusable components used to modernize over 30 webpages
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Flare, Toronto, Ontario

July - Aug 2016

Web & Android Developer

- Created a newsfeed for a web application that allows customers to create and see large-scale 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

Ontario Medical Association, Toronto, Ontario

May - Aug 2016

Front End Developer - High Velocity Team

- Guided the company to adopt Agile methodologies with Scrum sprints and the utilization of daily stand-ups, backlogs and Slack onboarding
- Designed and implemented multiple asynchronous web apps with adaptive UI
- 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

LANGUAGE EXPERIENCE:

C, C++, Java, Python, R, .NET, SQL, Node JS, HTML5, JavaScript, Typescript, Angular, CSS, Groovy, Terraform, Shell Scripting

TOOLS/Frameworks:

AWS, Git, Jenkins, Docker, TFS, Contentful, Ansible, Android Studio, Cucumber, Jasmine, Protractor,

HIGHLIGHTS:

Web Development
Automation
Project Management
Business Analysis
DevOps
Distributed Systems

SIDE PROJECTS:

Reachr

Activity based social-network which allows students with busy schedules to easily coordinate meetups.
Developed business plan & website

Code Name Envio

A web and mobile application used for crowdsourcing data. Designed to allow users to report issues within their vicinity with the option of upvoting events of concern.

Visual Diff

An open source tool that allows for visual testing. Determines the amount of change that took place and passes or fails automated tests accordingly. Say goodbye to production defects!

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".

Interests:

Machine Learning | Finance | Data | Social Networks | Web Design | Fitness | Video Games | Biology |