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 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

Ontario Medical Association, Toronto, Ontario   May - Aug 2015
Front End Developer - High Velocity Team
- Guided the company to adopt Agile methodologies with Scrum sprints and the utilization of daily stand-ups, backlogs as well onboarding them with Slack
- 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

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

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

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
A 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 |