



Gary Roumanis

Software Engineer



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BACKGROUND



ABOUT

I'm a perpetual learner and passionate engineer with an eye for detail. I love solving problems regardless of the domain.



WORK EXPERIENCE

● Software Engineer, [Google](#)

Apr, 2015 - Present

Currently working on the Dart language team helping to build infrastructure and tools specifically geared towards the web. Previously I was the tech lead for the DoubleClick Search frontend infrastructure. Core technologies include Angular, GWT, JavaScript, Bazel, and of course Dart.

Software Development Engineer, [Microsoft](#)

Dec, 2013 - Mar, 2015 ⌚ 1 year 3 months

Helped develop a near real time, streaming, log processing service along with corresponding monitoring tools and dashboards. Core technologies included C#, Kafka, Zookeeper, Ember and Typescript.

Program Manager, [Microsoft](#)

Oct, 2012 - Dec, 2013 ⌚ 1 year 2 months

Defined and managed the scope of various projects, such as Product Listings and Ads in Window's Search Charm. Specified requirements, conducted usability studies, triaged issues and assigned them to engineering teams.

Research Assistant, [McGill](#)

Apr, 2010 - Sep, 2010 ⌚ 4 months

The Irslib library is a reverse search algorithm for vertex enumeration/convex hull problems. I adapted the synchronous Irslib library to take advantage of multiple processors/cores. Application was developed in C++ and made use of the free boost library. Source code available [here](#).

Program Manager Intern, [Microsoft](#)

Apr, 2011 - Aug, 2011 ⌚ 4 months

Wrote functional specifications for multiple projects including a prototype which allowed for the display of various coupon advertisements within the paid search workflow of Bing.

NSERC Undergraduate Student Research, [McGill](#)

Apr, 2010 - Sep, 2010 ⌚ 4 months

Designed a framework for harnessing the computing power of humans to solve Multiple Sequence Alignment problems. Application front-end was developed in Flash ActionScript 3 while the back-end used Java and MySQL. Available [here](#).

SKILLS

Languages

Dart Javascript Java C# C++ LaTeX

Frameworks / Tools

Angular Bazel Ember Polymer Silverlight Elasticsearch Apache Kafka
Apache Zookeeper

EDUCATION

Joint honours in Computer Science and Mathematics, Bachelor, McGill University

AWARDS

//oneweek Company Hackathon - Winner Microsoft

Awarded on: Jul 28, 2014

Created an eye controlled wheelchair. The hack consisted of four parts, Tobii eye gaze tracking for Windows, an eye gaze "Joystick" application, Kinect-based "Safe Drive" for obstacle avoidance, and a microcontroller interface to a power wheelchair.

Intern App Competition - Runner Up Microsoft

Awarded on: Aug 14, 2011

In two months of spare time I learned the Silverlight framework and C# to implement a fully featured Windows Phone 7 app. The app provided an internet streaming radio service, offering a simple way for people to share and discover music and playlists. The app had over 50,000 downloads and a 4.5 star rating.

Undergraduate Research Competition - Winner McGill

Awarded on: Sep 01, 2010

Received first place in the field of Mathematics and Computer Science for the work on Phylo - a framework for solving Multiple Sequence Alignment problems.

PUBLICATIONS

[A portable parallel implementation of the lrs vertex enumeration code](#) , Combinatorial Optimization and Applications

Published on: Dec 12, 2013

[Phylo: A Citizen Science Approach for Improving Multiple Sequence Alignment](#) , PLoS ONE

Published on: Mar 07, 2012

REFERENCES

Available upon request

