

## ALEXANDER GONTCHAROV

---

### TECHNICAL SKILLS

Languages: C, Python, Java, JavaScript, MySQL, HTML/CSS

Tools/Frameworks: Node.js, Express, AngularJS, Bootstrap, Jasmine, Karma, Git, AWS

Software Engineering: Scrum, Requirements Analysis

### EXPERIENCE

Teaching Assistant, *University of Guelph*

Sep 2015 - Apr 2017

- Led Introduction to Programming laboratory sessions, teaching programming with C.
- Led Intermediate Programming sessions teaching advance programming.
- Successfully installed Raspbian on Raspberry Pis, and Debian on VirtualBox, and provided technical support.
- Explored command line navigation, text editing in Vim, and Git revision control systems.
- Taught Unix/Linux file systems, Makefiles, Scripts and committing work with Git.

### PROJECTS

#### Dialog System Compiler

- Created an IDE that translate simplified input language into an executable Java GUI program.
- Built an IDE Finite State Machine compiler written in C and a stand-alone compiler written in Lex/Yacc.
- Frontend built in Java and connected to the C backend through JNI, includes a Bash Script for installation.

#### Rivals.GG

- Ongoing MEAN Stack (MySQL, Express, AngularJS, Node.js) web application using Riot Games APIs.
- Allows users to create and login to their account and perform multiple search queries on users.
- Follows the RESTful principles and performs authentication and authorization through JSON web tokens.

#### Qlik-Project

- A REST API application that allows users to post, retrieve, select and delete certain messages.
- Designed using a MEAN Stack (MySQL, Express, AngularJS, Node.js) with Bootstrap4 for the UI layer.
- Hosted on AWS, and features unit testing with Karma/Jasmine and e2e-testing with Protractor.

#### WellCat

- Team lead of the public web interface team for WellCat using Node.js, React, JQuery and Bootstrap3.
- Performed Analysis Requirements, created UML Diagrams, and planed weekly Sprints using Agile Scrum.
- Led discussion on architecture and designs with other teams (backend, mobile, analysis, clinical).

### EDUCATION

Software Engineering Honours Program

Jun 2017

Bachelor of Computing, *University of Guelph*

### ACHIEVEMENTS & EXTRA-CURRICULAR

Explore, *French intensive immersion program*

2013, 2015

Society of Computer Science, *Community Liaison*

Jan 2016 - Apr 2016

CUSEC, *Canadian University Software Engineering Conference*

2017

University of Guelph Dean's list

2016

### ADDITIONAL SKILLS

Fluent in French and Russian

Excellent communication skills

Emergency First AID Instructor

PADI Open Water Scuba Instructor, *Dive Bermuda*

Apr 2017 - Sep 2017

- Raised company's Trip Advisor rating by achieving 5 stars review for outstanding service.