

ALEXANDER GONTCHAROV

TECHNICAL SKILLS

Languages: C, Python, JavaScript, HTML/CSS, Java (familiar), MySQL (familiar)
Tools/Frameworks: React, Redux, Jest, Flow, Sketch, Node.js, Express, AngularJS, Git, AWS
Software Engineering: Scrum, Jira, Bitbucket

EXPERIENCE

Software Developer, *Entrust Datacard* Jan 2018 - Present

- Created React components for the IntelliTrust cloud platform using Material Design, Redux and Flow.
- Integrated Jest into the build pipeline, and wrote the first unit tests increasing coverage from 0% to 70%.
- Decreased time it took to add/edit/remove localization by 90% by creating a Node.js command line interface.
- Redesigned over 20 features using Sketch to improve the look and feel of the application.
- In charge of the translation process, and frequently took on responsibilities as the Scrum Master.

Teaching Assistant, *University of Guelph* Sep 2015 - Apr 2017

- Led Intermediate Programming sessions teaching advance programming concept with C.
- Taught Unix/Linux file systems, Makefiles, Scripts, and Git work flow.

Open Water Scuba Instructor, *Dive Bermuda* Summer 2015, 2016, 2017

- Raised the company's TripAdvisor rating by 15% by achieving 5 stars reviews for outstanding service.

PROJECTS

Budget Tracker Ongoing

- Implement a web application that integrates with RBC to track user's budget and uncover insight
- Allows users to sort, filter, and categorize their transaction in a table and display it in various graphs.
- Hosted on AWS using Docker, and built with React, Redux, TypeScript and Material UI.

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.
- Features unit testing with Karma and Jasmine, and End to End testing with Protractor.

Dialog System Compiler

- Created an IDE that translate simplified input language into an executable Java GUI program.
- Built a 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, including a Bash Script for installation.

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