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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 occasionally 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 star reviews for outstanding service

PROJECTS

Budget Tracker   Ongoing
- Implemented a web application that integrates with RBC to track users' budget and uncover insight
- Allows users to sort, filter, and categorize their transactions in a table and to display them 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 translates 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