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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

Teaching Assistant, *University of Guelph*

Sep 2015 - Apr 2017

- Led Intermediate Programming sessions teaching advance programming with C.
- Successfully installed Raspbian on Raspberry Pis and Debian on VirtualBox, and provided technical support.
- Taught Unix/Linux file systems, Makefiles, Scripts and Git work flow.

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 improving the look and feel of the application.

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, including a Bash Script for installation.

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.

Budget Tracker

Ongoing

- Implement a web application that integrates with RBC to helps track your budget and uncover insight built with React, Redux, TypeScript and Material UI.
- Allows users to sort, filter, and categorize their transaction in a table and display it in various graphs that update on change using Recharts.

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*

Summer 2015, 2016, 2017

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