Christian Legge
Software Developer

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github.com/scatter-dev

Work Experience

May 2019 – March 2020
- Architected and developed mapping software used to process location information from sensors and display to users usefully
- Designed a user interface using UX concepts to optimize ease of use while maintaining functionality
- Designed a network protocol wrapper to transfer up to hundreds of data points from multiple sources and process them efficiently
- Worked to autonomously transcribe live air traffic audio feed to be used in an aircraft-based AI system to aid pilots and air traffic controllers

May 2017 – August 2017, January 2018 – April 2018, September 2018 – December 2018
- Worked with Deposit Fraud team to develop solutions to prevent cheque kiting and cheque fraud
- Identified and classified bounced cheques based on return reason
- Developed ETL-based procedures to process raw transaction and demographic data from banks and credit unions
- Performed code reviews to ensure other team members' code followed clean code practices
- Led project to work with specific customer to solve problems they encountered with the Verafin app
- Fixed outstanding bugs and developed new features according to customer specifications

January 2016 – April 2016, September 2016 – December 2016
- Improved in-house radar simulation software used by developers to test radar imaging without access to physical radar unit
- Performed general bug fixes and maintenance on server and client software
- Upgraded radar viewing software with DirectX graphics for greater compatibility with potential customer base
- Reviewed bug reports and small code changes

May 2015 – August 2015
- Provided in-person technical support to students and faculty
- Developed solution for LabNet system to attach user drives and set up printers on login

Education

Bachelor of Engineering: Computer Engineering
Memorial University
September 2014 – May 2019
- University Medal for Academic Excellence in Computer Engineering

Technical Skills

Languages
C++, C, Python, C#, Java, JavaScript, CSS, HTML, QML, MATLAB, SQL, Dart, PHP

Tools
Visual Studio, IntelliJ, Android Studio, vim, bash, ssh, git, Godot, Unity, Subversion, Excel, Word, Adobe Creative Cloud, Windows PowerShell

Frameworks
Qt, Google Test, JUnit, Node, Angular, Express, Windows Forms, Flutter, jQuery, p5.js, Laravel, tkinter, DirectX

Concepts
Developing against APIs, OOP, agile development, version control, UX, web development, unit testing, cybersecurity, continuous integration, debugging, database management, mathematics, clean code, optimization

Other
Amazon Web Services, Linux, GitHub, MEAN stack, Protocol Buffers, ArcGIS, LAMP stack, regular expressions, shader development

Soft Skills
- Problem Solving
- Cooperation
- Time Management
- Flexibility
- Creativity
- Communication

Interests
- Game Development
- Machine Learning
- Music
- Hobby Electronics

References available upon request.