Jordan May

(519) 441-3312
jordan.may@edu.uwaterloo.ca
jjamay.github.io
ca.linkedin.com/in/jjamay
github.com/jjamay

overview

Firmware	C, C++, CxxTest, Python, Tcl, Linux
Front-End	JavaScript, React, Redux, Apollo
Back-End	Node.js, Express, GraphQL, PHP, PostgresSQL, Apache
Tools	Git, Mercurial, ClearCase, Jenkins, Linux CLI
Academics	Top 10 in class with 4.0 cumulative GPA

experience

SOFTWARE ENGINEER CO-OP | SANDVINE | SEPT 2016 – AUG 2017

Developed QuickSand feature for Network Security software package
› Wrote C and C++ code for crafting TCP and UDP packets to respond to malicious clients and slow down the propagation of network attacks
› Added support for various QuickSand functions in SandScript, Sandvine's proprietary language for writing network policies, using C++ and Tcl
› Achieved 100% code coverage with unit tests using CxxTest
› Validated QuickSand with automated functional tests written in Python

Implemented feature to iterate and modify HTTP header fields
› Added support for a SandScript expression to iterate all fields in an HTTP header and perform regular expression matching on them

Enhanced licensing support for virtual multi-core network switches
› Refactored existing C++ code to allow a switch to request multiple licenses

DEVELOPER CO-OP | TUTELAR TECHNOLOGIES | MAY 2015 - APR 2016

Built application to track advanced shipping notices for a manufacturer
› Developed web app using tools including PHP, SQL Server and Apache
› Created UI for operators with support for smart scanner input
› Automatically generated barcodes based on credentials for one-scan login

Developed web app to track material transporters in a manufacturing plant
› Provided real-time progress and delivery schedule feedback to driver

Implemented screen sharing app for customer support
› Leveraged various open-source projects including noVNC, UltraVNC, Websockify, and Converse.js

education

CANDIDATE FOR BASC | CLASS OF 2018 | UNIVERSITY OF WATERLOO

Systems Design Engineering – Currently in 4th year

achievements & extracurricular

UW President's Scholarship of Distinction and UW Microsoft Scholarship

Grade 8 RCM piano and occasional percussionist

Lifelong ambition to become a LEGO Master Builder

personal projects

Hardhat

Web app that connects home builders with projects and employs a bidding system to win contracts

Stack: React, GraphQL, Node.js, PostgresSQL

JordyChat2

Online chat room for desktop and mobile

Stack: React, Redux, Node.js, Socket.io, PostgresSQL

ttExposé

Windows utility that organizes applications for quick and easy window selection

Tools: AutoHotkey

feedback

"Jordan had an outstanding term with us. He is such an ideal engineer with his willingness and ability to learn, the outstanding quality of his work, and his ability to craft software with an impressive degree of independence. Before his main feature was complete, we wowed our entire sales team with a prototype of his work. There is no doubt Jordan meets all of our criteria for an ideal full-time employee."

Nathan Kaun
Principal Software Engineer, Sandvine

"Jordan exceeded our high expectations for even our full-time employees. Not only did he successfully complete the complicated projects assigned to him, he also came up with several brilliant ideas for improving our existing code and helped us implement workflow improvements to increase our corporate efficiency. Jordan is an outstanding employee."

Edward Dickson
President, Tutelar Technologies