Jordan May

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overview

Front-End	JavaScript, HTML5, CSS3, React, Redux, Meteor
Back-End	PHP, SQL Server, MongoDB, Apache
Embedded Systems	C, C++, Tcl, Linux, Arduino, Circuit Design
Development Tools	Git, Mercurial, ClearCase, Jenkins, Collaborator
Academics	Top 10 in class with 4.0 cumulative GPA

experience

EMBEDDED SOFTWARE ENGINEER | SANDVINE | SEPT 2016 – DEC 2016

Led development on new Tarpit feature for policy traffic switch
› Built new network attack mitigation feature according to design requirements and specifications
› Wrote C and C++ code to craft and inject TCP and UDP packets
› Created unit tests using CxxTest which were run on nightly Jenkins builds

Enhanced licensing system to allow for multiple instance checkouts
› Refactored existing C++ code to allow network switch to request multiple licenses from a server, cache, or local file
› Modified network switch CLI to display license information using Tcl
› Performed manual and automated failure testing on feature
› Coordinated with PM and QA to specify requirements and test software

SOFTWARE DEVELOPER | TUTELAR TECHNOLOGIES | MAY 2015 - APR 2016

Built web app to track advanced shipping notices for a manufacturer
› Tools included PHP, SQL Server and Apache with a proprietary framework
› Created UI for smart scanner to add containers to shipment
› Added various levels of user access along with email notifications

Developed web app to track material transporters in a manufacturing plant
› Created simple UI for driver to access via smart scanner
› Provided real-time feedback to driver on progress and delivery schedule

Implemented screen sharing app with XMPP messaging for customer support
› Leveraged various open-source projects such as noVNC, UltraVNC, Websockify, and Converse.js

education

CANDIDATE FOR BASC | CLASS OF 2018 | UNIVERSITY OF WATERLOO

Systems Design Engineering – Currently in 3rd 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

Maytrix

Web app to help students find internships built with React and Redux, with plans to build back-end in Express

JordyChat

Online chat room for desktop and mobile using Meteor and MongoDB

ttExposé

Utility that organizes windows for quick and easy selection built with AutoHotkey

ClockSYDE

Digital alarm clock constructed from Arduino Uno and programmed in C++

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
Senior 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