Riley Shaw

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Objective

To obtain an internship in Software Development that challenges my skills as a programmer and optimizes the productivity of the projects I partake in.

Education

Purdue University, West Lafayette, IN — May 2018
Bachelor of Science in Computer Science
GPA: 3.78/4.0

Eastern High School, Greentown, IN — May 2014
Core 40 / Academic and Technical Honors

Work Experience

Delphi Electronics – Software Intern, Kokomo, IN — Summer 2015

- Wrote batch files and C++ scripts to automate release packaging to customers
- Received 4 week long training on CAN and FlexRay automotive protocols.
- Lead engineer on a FlexRay stress testing project. Communicated with Vector to receive software updates for bugs within their software. Conducted stress testing on a new protocol used in vehicles known as FlexRay.
- Designed scripts using Vector proprietary software to inject and interfere with data on CAN and FlexRay buses to test functionality such as radar detection for blind spots and lane change alerts.

Mast Contracting - Tile Installer**,** Indianapolis, IN — Summers 2011 - 2014

- Assisted in the process of tile installation and working with the customer to solve any issues at hand

Software Projects

Android Bar-code Scanner — April 2013

- Designed an Android application for a schools IT department using Basic4Android
- The application read in bar-codes of any given computer and saved the credentials to an Excel file

Elementary iOS Application — October 2014

- Worked in a group of 4 people to design an iOS Application for Carroll Elementary School
- Developed multiple “Activities” that allowed to children to learn a wide variety of material
- Examples of Activities include a calculator, quiz template for the teachers, and a math homework template

3D .obj File Visualizer — October 2013

- Constructed a program in Java that read the contents of a .obj file and drew a representation in 3D
- The program calculated the 3D representation of an object using the multiplication of matrices
- The program also allowed for the rotation and scaling of the object in a 3D world

Robotics Autonomous Challenge — November 2012

- Awarded 1st place of over 50 teams by *VEX Robotics, Inc.* for highest scoring algorithm
- Developed a script using C for a team robot that automated the most efficient scoring