**Kenny Bean**

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Graduation Date: April 28th, 2018

**Objective**

I am a University of Michigan Dearborn Senior Undergraduate Student who is looking to be challenged in the field of Computer Science / Software Engineering. I have extensive exposure to public speaking and a technical background as I am currently a Working Student in the Algorithm team for Autoliv-Nissin Brake Systems. I am searching for a position to teach me more about how this engineering field is applied in an industry setting and gain more experience as an engineer. I wish to work in a competitive environment with plenty of opportunities for advancement in the near future as I plan to be responsible for my own team some day.

**Education**

* Bachelors in Science, 2014-2018, Software Engineering, University of Michigan, Dearborn, MI
* High School Diploma, 2010-2014, General Studies, Hazel Park High School, Hazel Park, MI

**Skills**

* Great understanding and extensive exposure to C++ console/gaming programming.
* Data visualization with Matlab code & Deployment of application experience in a Matlab environment
* Experience working with Simulink in the work place.
* Background in developing applications with C , HTML , JavaScript , C# , VBA , and other object oriented programming.
* Understanding of and exposure to assembly / machine language in an Arduino and easy 68k environments.
* Set up of hardware, installation of software, and implementation of real brake system products in a dSPACE testing environment with Simulink code development.
* Experience with modern database architecture.
* MySQL database creation experience.
* Fundamental understanding of project management and the importance of divisions of tasks.
* Recognizes the importance of developing with the implementation of standard design patterns and architectures.
* Exposure to and comprehension of modern brake systems.
* Familiar with testing process for industry standards (for brakes).
* Assisted with the scheduling and tracking of performance milestones for a team of engineers.
* Understanding of ordering process of parts/receiving quotes for business transactions.
* Experience with Windows Office Enterprise products (Word, Excel, SharePoint, PowerPoint, etc.).
* Experience using command line computing (Unix/ Linux).
* Experience with VBA in Excel Macros for the automatic sending of update emails and editing of cells within a spreadsheet.

**Employment History**

***September 6th, 2017-Present / Working Student***

***Autoliv-Nissin Brake Systems, Southfield, MI***

Created Hardware in the loop (HIL) set ups that ran multiple kinds of tests based on specifications given by engineers. Made use of VBA in excel, created purchase orders for parts dedicated to the HIL set ups as well as other needed project materials. Wrote data visualization/ report generation software for the HIL. Ran tests in CarSim using a dSPACE operating system. Modified the dSPACE environment to meet the specifications given by algorithm engineers and worked closely with the validation team to ensure tests ran smoothly. Sat in on project management meetings with my manager Long Ying both internationally and internally.

***December 16th, 2015 / Job Shadow***

***Quicken Loans, Detroit, MI***

Spent the day with a telecom support associate as well as the head of the telecommunications department. Gained more exposure to and knowledge of C# and HTML programming as well as did some hands on website design for the Quicken Loans website.

***June 14th 2014–December 30th 2016 / Server***

***Red Robin Gourmet Burgers, Madison Heights, MI***

Tended to the needs of guests as well as the odd jobs around the restaurant given to me by the managers, trusted with the negotiation of disgruntled guests, received numerous good reviews/ comments about my services.