**Career Target**

University of Michigan Dearborn Senior Undergraduate Student who is looking for a design/development on critical systems based career in the field of Computer Science / Software Engineering. Currently a Working Student in the Algorithm Team for Autoliv-Nissin Brake Systems. Searching for a position that applies this field in an industry setting. Wish to work in an environment with plenty of opportunities for career advancement in the near future.

**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
* ***Working Student, Autoliv-Nissin Brake Systems, Southfield, MI, September, 2016-Present***
* Created hardware in the loop (HIL) set ups
* Run multiple kinds of tests based on specifications given by engineers.
* Writing data visualization/report generation software for the HIL in Matlab’s App Designer.
* Worked in a CarSim and dSpace Environment
* Modified the dSPACE environment to meet the specifications given by algorithm engineer
* ***Server, Red Robin Gourmet Burgers, Madison Heights, MI, June, 2014–December, 2016***
* Tended to the needs of guests
* Additional tasks executed around the restaurant given to me by managers.
* Trusted with the negotiation of disgruntled guests
* Received numerous good reviews/ comments about my service



* ***Programming Languages:***
* **Object-Oriented:**

C/C++, C#, Java, JavaScript, Visual Basic

* **Web-Based:**

HTML, CSS, JavaScript, .NET, PHP, JSON, JQuery, Bootstrap, Node.js, Apache

* **Command-Line:**

Linux/Unix, Windows, PowerShell, Ubuntu, Git

* **IDEs:**

Visual Studio**,** Aptana, Eclipse, XAMPP, Atom

* **3-D Modeling:**

Maya, Unity, OpenGL

* **Automotive Specific:**

dSpace**,** CarSim**,** Matlab/Simulink, Vector CANape, Vehicle Network Toolbox, IPE motion

* **Other:**

MySQL, XML, Assembly (Easy 68k), Python, VBA

* **Data Visualization:**

D3.js, Plotly

* ***Hardware/Embedded Platforms:***
* **Microcontroller:**

Arduino, TMS 570

* **GPU/Microprocessor:**

Raspberry Pi

* ***Software Process Experience:***
* **Process Models:**

Waterfall, Rapid Prototyping, Agile (Scrum, Extreme Programming, etc.)

* **Structural UML Diagrams:**

Class, Component, Deployment

* **Behavioral UML Diagrams:**
* Activity, Sequence, Use Case, State-Transition, Communication
* **Industrial Exposure:**

Scheduling/TrackingPerformance Milestones,

Understanding of Ordering Processes,

Creation of Purchase Orders/Quotes

* ***Other Knowledge:***
* **Windows Office Enterprise:**

Word, Excel, SharePoint, PowerPoint, etc.

* **Testing Processes for Industry Standards:**

ISO 26262, ISO 9000, CMMI

* **Design and Architecture:**

Modern Database Architecture,

Software Design/Architectural Patterns

* **Comprehension of Modern Brake Systems:**

Hydraulics, Sensor reading,

Development of Algorithm.