

OBJECTIVE

To work meaningfully as a summer intern in the realms of computer hardware and/or software.

EDUCATION

University of Michigan – Ann Arbor, MI	Anticipated, April 2019
<i>B.S.E in Computer Engineering, LSA Music Minor</i>	GPA: 3.75/4.00
Engineering Honors Program	
Dean's List and University Honors – 3/3 semesters so far	
Relevant Coursework: EECS 281 – Data Structures and Algorithms (taking now)	

EXPERIENCE

New Eagle, LLC	January 2016 – December 2016
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Multidisciplinary Design Program – Control Systems and Mobile App Design

- Collaborated with Computer Science students and a UI/UX student designer to create a tablet-based version of vehicle calibration software in Android Studio.
- Managed the backend software aspects of the project. The Java code I wrote allowed us to store and write meaningful data to and from files used in the calibration process using AES decryption/encryption, and XML Binding.
- Converted an entire calibration protocol codebase (XCP) from C# to Java, which helped us to communicate with and calibrate Engine Control Units via XCP.
- Developed strong knowledge of control systems, vehicle calibration, and controller area networks (CAN) through research and teaching by New Eagle

New Eagle, LLC	June 2016 – August 2016
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Software Intern

- Wrote and serviced C# .NET and Java based programs that aid in the programming and calibration of control systems. I made improvements to existing C# software by implementing usability and bug fixes, and I implemented file format conversion functionality to another piece of software. I also debugged and fixed a Java telematics program that was having memory issues.
- Enhanced skills with version control services, mainly Subversion, and Team City. I automated a build system for one of New Eagle's software programs that built debugging and development installers upon every Subversion commit using Team City.
- Improved abilities in Integrated Development Environments, mainly Eclipse and Visual Studio, through extensive use of the two. I wrote and debugged code much quicker through exposure to these two pieces of software.
- Gained invaluable experience in a software engineering workplace environment through team meetings, mentorship from talented software engineers, and in working on large pre-existing codebases.

LEADERSHIP & ACTIVITIES

High School Band Camp Counselor, Drum Major Candidate Instructor	June 2015 – Present
University of Michigan Marching Band – Tenor Sax	August 2015 – Present
University of Michigan University Band – Tenor Sax	August 2015 – Present
High School Drum Major – Ann Arbor Pioneer High School	September – November 2014

SKILLS & CODING LANGUAGES

MATLAB, C++, C#, Verilog, and Java	Intermediate Proficiency
Git, Subversion, Team City	Intermediate Proficiency
Spanish Language	Advanced Proficiency
Windows, Linux, OSX	Intermediate Experience/Usage