NATHAN IMMERMAN

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EDUCATION

University of Michigan – Ann Arbor **GPA: 3.87/4.00**
Masters of Science in Engineering, Computer Science December 2016
Bachelor of Science in Engineering, Computer Engineering December 2015

Eta Kappa Nu, EECS Honor Society – President Fall 2015 **January, 2014 – Present**
Tau Beta Pi, Engineering Honor Society **September, 2013 – Present**

EXPERIENCE

Qualcomm, *Storage Team Intern* **Summer 2015**

- Automated and added functionality to Linux kernel module tests of MTD storage devices
- Discovered bug with kernel tests which led to the business decision of disabling an experimental feature of UBI, a raw flash storage volume management system

Lab11 – Embedded Systems Lab at University of Michigan, *Research Intern* **Summer 2014**

- Debugged hardware issues with a PCB to provide correct power and signals to Atmel microcontroller
- Utilized Atmel Software Package to test viability of microcontroller

Got2Read, *Start Up Intern* **September, 2013 – September, 2014**

- Utilized Minimum Viable Product strategy to test feasibility of business models and product concepts
- Designed and maintained www.miplus1.com to connect Ann Arbor talent with tech start-ups

Deluxe Checking, *Productivity Intern* **Spring 2012**

- Developed and implemented material management process that improved plant efficiency

eCamp Israel, *Product Development Team Member* **Summer 2011**

- Developed new product idea and corresponding business launch plan that won 1st place award

RELEVANT COURSE WORK

EECS 373*, Design of Microprocessor-Based Systems*

- Designed and created embedded system, "Gyroscopic Etch-a-sketch", on Atctel Development board
- Interfaced with IMU, LCD screen, stepper motors, Wii nunchuck controller using serial bus protocols

EECS 482*, Operating Systems*

- Pair programmed on 3 member team on thread library, virtual memory pager, and network file server projects

Mechanical Engineering 250*, Design and Manufacturing*

- Designed, manufactured, and tested RC driven robot on five person team that won class competition

Other Courses: Programming and Data Structures (EECS 281), Computer Vision (EECS 442), Linear Algebra

LEADERSHIP

EECS 370 – Introduction to Computer Organization, *Instructional Aid* **September 2014 – Present**

- Teaching students basic computer organization and assembly language via a discussion section and office hours

Michigan Engineering Recruitment and Admissions, *Tour Guide Leader* **May, 2014 – May 2015**

- Selected to represent College of Engineering to provide tours, field questions, and sell Michigan Engineering.

Jewish Engineering Association, *President* **January, 2014 – January, 2015**

- Arrange opportunities for Jewish engineers to meet, connect and provide mentorship

Central Student Government, *College of Engineering Representative* **September, 2013 – April, 2014**

- Elected by university student body as 1 of 7 engineering representatives to 50 member assembly
- Served as student body voice to university administrators and strived to improve campus life

Michigan Taekwondo Club, *3rd degree black belt – practicing Taekwondo since age 6* **September, 2012 – Present**

- Private Instructor of Mentally and Physically Challenged Student **September, 2011 – May, 2012**

SKILLS

- Platforms: Windows 7, Mac OS, Linux (UNIX)
- Languages: C/C++, Matlab, HTML/CSS (bootstrap), Verilog and programing FPGAs, intermediate Python
- Working proficiency of Saleae logic analyzers, Solidworks and mill operation