

PHILLIP RING

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Education

UNIVERSITY OF MICHIGAN

BSE Computer Engineering
GPA: 3.6

Ann Arbor, MI

Fall 2013-Present

Expected Graduation: May 2017

Work Experience

UNIVERSITY OF MICHIGAN

Instructional Aide, Intro Logic Design

Ann Arbor, MI

Fall 2016

- Teach and coordinate two weekly lab-based sections
- Help students with Quartus application software, IoT/embedded projects, logic debugging

HEWLETT PACKARD ENTERPRISE

Software Engineer Intern

Pontiac, MI

Summer 2016

- Successfully developed a monitoring tool for site migrations from Microsoft Sharepoint to Office 365
- Designed responsive application with emphasis on software engineering principles, multithreading
- Created technical documentation, incl. test suites, to streamline the integration of the monitoring tool

UNIVERSITY OF MICHIGAN

Research Assistant, Automotive Lab

Ann Arbor, MI

Summer 2016

- Built software UI prototype for direct fuel injector spray detection and measurement
- Investigated, ran tests on communication interface and breakout boards for fuel injector, pump valve

TRAM, INC

Test Engineer Intern

Plymouth, MI

Summer 2015

- Programmed macros to analyze, manipulate, and graph test data; used VBA and Microsoft Excel
- Facilitated testing of automotive switches and parts in accordance with customer specifications
- Improved design of switch internals, electronics and electromechanics, led to lower failure rates

Project Experience

FINGER BEATZ MUSIC CREATION – EECS 373

- Built wearable wireless glove controller for real-time, physical music creation

RC UNDERWATER ROV – ENGR 100

- Constructed an underwater ROV that recovers items scattered in a deep-sea environment

WEATHER DISPLAY SYSTEM – PERSONAL PROJECT

- Designed website to display current weather at the location of the user's device, used JSON APIs

Involvement

ETA KAPPA NU (EECS HONOR SOCIETY)

Chapter Officer/Member

Ann Arbor, MI

Fall 2015-Present

- Host tech talks from Fortune 500 companies on cutting-edge projects in the industry

MICHIGAN MARCHING BAND, HOCKEY BAND

Member

Ann Arbor, MI

Fall 2013-Winter 2016

- Perform around 25 times per year at University of Michigan Football games, avg. of 25 hrs/wk

Skills

- Proficient Skills in C/C++, C#.NET, ARM, Verilog
- Experienced in MATLAB, Python, Java, NI Multisim, VBA, bash scripting, Git/GitHub
- Experience with UART, I2C, oscilloscopes, logic analyzers, power supplies, multimeters
- Fluent in Spanish, Russian; Conversational in French