

Chad Grimaldi

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EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI

May 2016

College of Engineering

Bachelor of Science in Engineering – Computer Science

Cumulative GPA: 3.5 / 4.0

PROGRAMMING LANGUAGES

C/C++, Java, SQL, HTML/CSS/JavaScript, Objective-C/Swift, Python

COURSEWORK

- Data Structures and Algorithms
- Database Management Systems
- Java Programming
- Computational Theory
- Computer Architecture
- Computer Security
- Discrete Mathematics

EXPERIENCE

SELF-CONTRACTOR

ANN ARBOR, MI

Hardware Designer and Programmer

May 2014 – Aug 2014

- Utilized ARM Cortex-M3 CPU (Nucleo prototype boards) with MBed OS to produce functional prototypes leading to final product design, and fully testable programs.
- Integrated various components such as Bluetooth module, thermocouple, LCD screen/driver, and user input to result in comfortable UI and accessibility.
- Practiced design for manufacturing by optimizing limited use of memory for flash storage and RAM.
- Ported hardware peripheral libraries from Arduino to MBed using the provided HAL.

UNIVERSITY OF MICHIGAN ASTRONOMY DEPARTMENT

ANN ARBOR, MI

Postdoctoral Research Partner

Sep 2012 – May 2013

- Analyzed open source telescopic images of galaxy M33 by studying radiation measurements of all individual stars.
- Computed with Matlab applicable information by combining large datasets.
- Attained and presented accurate photometry including data such as the composition of galaxy, along with electromagnetic radiation levels.

IDR ELECTRONICS REPAIR

WATERFORD, MI

Founder and Principal Technician

Mar 2011 – Jan 2013

- Discovered niche for cheap/trusted electronics repair and created online and offline business to meet demand.
- Created and maintained company website to ensure advertising exposure and facilitate online schedule, eliminating the need for more employees and also double-bookings.

HONORS/RECOGNITION

- University of Michigan Dean's List, 2014
- Member, Golden Key National Honor Society
- Recipient of President's Volunteer Service Award, 2012 (200+ hours community service)