

Chad Grimaldi

ANN ARBOR, MI

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EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI

May 2016

College of Engineering

Bachelor of Science in Engineering – Computer Science

PROGRAMMING LANGUAGES

C/C++, Java, SQL, HTML/CSS/JavaScript, Ruby on Rails, Python

COURSEWORK

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

EXPERIENCE

ECHELON CONSULTING

CHICAGO, IL

Software Engineer Intern

May 2015 – Aug 2015

- Worked as full-stack developer designing database backed single-page applications adding functionality to a large-scale Java-based content management system.
- Pushed three projects to production using substantially less client-time than estimated.
- Organized and presented team meetings to clients demonstrating development progress while also receiving feedback and continuously updating the code base.
- Developed fully responsive front-end JavaScript widgets allowing for both extensibility and browser compatibility using libraries such as Dojo and jQuery.

SELF-CONTRACTOR

ANN ARBOR, MI

Hardware Designer and Programmer

May 2014 – Apr 2015

- 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 use of limited available flash storage and RAM.

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.
- Combined large datasets into usable information with Matlab.
- Attained and presented accurate photometry including data such as the composition of galaxy, along with electromagnetic radiation levels.

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)