Chad Grimaldi

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EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI April 2016
College of Engineering
Bachelor of Science in Engineering – Computer Science
Cumulative GPA: 3.3 / 4.0

PROGRAMMING LANGUAGES

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

COURSEWORK

- Data Structures and Algorithms
- Web and Database Systems
- Operating Systems
- Computational Theory
- Object-Oriented Design
- Computer Architecture
- Computer Security
- Discrete Math/Linear Algebra/Calculus

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 Java-based enterprise content management system.
- Pushed three projects to production using substantially less client-time than estimated.
- Organized and led team meetings with clients demonstrating development progress while receiving feedback and updating features to fit changing set of requirements.
- Developed fully responsive front-end JavaScript widgets allowing for both extensibility and browser compatibility using libraries such as Dojo and jQuery.

FREELANCE DEVELOPER **ANN ARBOR, MI**
Embedded Systems Engineer May 2014 – Apr 2015

- Utilized ARM Cortex-M3 microprocessor to develop hardware and software prototypes while writing and optimizing drivers, and contributing to final product design.
- Integrated various components such as Bluetooth module, LCD screen, thermocouple, and user input to result in intuitive user interface.
- Practiced design for manufacturing by optimizing use of flash storage and RAM to reduce costs.

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 compilation of radiation measurements for each individual star.
- Collected and combined large datasets into more useful information with software such as Daophot and Matlab.
- Presented accurate crowded-field stellar photometry including data such as the composition and electromagnetic radiation levels.

HONORS/RECOGNITION

- University of Michigan Dean's List
- Member of Golden Key National Honor Society