

# MICHAEL L. FARDEN

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## PROFESSIONAL EXPERIENCE

HARRIS CORPORATION, ROCHESTER, NY

*Software Engineering Intern, RF Communications Division, June 2017 – August 2017*

- Software Design Verification (SDV) Department
- Involves writing test cases for software defined RF communication systems

MIDSTATE MUSIC OF CNY INC., OSWEGO, NY

*Musical Instrument Repair Technician, Department Manager, July 2012 – June 2017*

- Involves the diagnosis and repair of musical instruments
- Provides experience with technical problem solving and team management

WBUC PUBLIC TELEVISION STATION, OSWEGO, NY

*Technical Supervisor of Broadcasting, Sep 2010 – Jun 2014*

- Student based organization at Oswego High School
- Supervisor of technical support for the Mobile Television Production Unit

## EDUCATION

CLARKSON UNIVERSITY, POTSDAM, NY

*B.S. Computer Engineering, Anticipated Graduation May 2018*

- Minors in Software Engineering and Mathematics

ONONDAGA COMMUNITY COLLEGE, SYRACUSE, NY

*Summer Courses*

- Principals of Macro Economics Transfer Credit - Summer 2016
- Physics II Transfer Credit - Summer 2015

OSWEGO HIGH SCHOOL, OSWEGO, NY

*High School Diploma, Highest Honors, Jun 2014*

- Regents Diploma with Advanced Distinction

## SKILLS

- Object-Oriented Programming
- Programming Languages
  - C, C++, C#, Java, JavaScript, Html, CSS, Lua, and MATLAB
- Computer Hardware Design
  - VHDL and Assembly
  - Xilinx's Vivado and Altera's Quartus software to design hardware systems
- Experience using FPGA's, development boards, and microcontrollers
- Experience with Windows, Linux, and Mac OS
- Proficiency using Microsoft Visual Studio, Android Studio, and Eclipse IDEs
- Experience with Computer Graphics and WebGL applications
- Proficiency with the Adobe Creative Suite and Microsoft Office
- Member of the Oswego City Wind Ensemble (Professional), Alto Saxophone, 2015 – 2016
- Member of the Clarkson University Jazz Ensemble, Alto/Bari Saxophone, 2014 – 2017

## AWARDS AND HONORS

- Recipient of the 2014 FitzPatrick Nuclear Power Plant Achievement Scholarship
- Recipient of the 2014 Oswego County Music Educators Association Performance Scholarship
- Recipient of the 2014 Louis Armstrong Jazz Ensemble Award

## REFERENCES

Available upon request