

# Drew Raymond Williams

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## EDUCATION

### SUNY UNIVERSITY AT BUFFALO | BS COMPUTER SCIENCE

Buffalo, NY | August 2016 - May 2020

Relevant Courses: Robotics Algorithms, Blockchain App Development, Software Engineering, Robotics Algorithms, Operating Systems, Theory of Computation, Software Quality In Practice, Intro to Algorithms, Computer Organization, Digital Systems, Data Structures, Intro to Computer Science I & II, Computer Science Seminar

### VESTAL HIGH SCHOOL | SCHOLARS DIPLOMA

Vestal, NY | September 2012 - June 2016

## WORK EXPERIENCE

### LOCKHEED MARTIN | SOFTWARE ENGINEERING INTERN

Owego, NY | June 2019 – August 2019

- Automated user migration from old server to SharePoint system using C#.
- Mocked-up new SharePoint site using HTML and CSS to customer specifications.
- Used internal REST API to automate filling of Excel files and save 20 hours of work.
- Cleaned up old C# ASP.NET web application to increase code readability.
- Added functionality to automatically update user's groups according to Excel file from web application.

### LOCKHEED MARTIN | SOFTWARE ENGINEERING INTERN

Owego, NY | June 2018 – August 2018

- Created a script to automatically generate configuration files that saved developers two days of work a year.
- Found a bug in vendor's software and communicated with them to fix the bug and update the program.
- Pinpointed a networking bug in software / hardware interface and updated configuration to fix it.
- Found and fixed a loop offset bug in a package sorting system while improving code readability.
- Worked in C / C++.

### LOCKHEED MARTIN | SOFTWARE ENGINEERING INTERN

Owego, NY | June 2017 – August 2017

- Created a C# application to help users verify software versions and dependencies by importing CSV file and verifying characters limits, duplicates, etc.
- Ran software verification procedures on graphics boards for formal testing.
- Worked on a team with other interns to design, build and program a fully autonomous robot based on requirements given to us at the start of the internship.

### LOCKHEED MARTIN | ENTERPRISE BUSINESS SERVICES INTERN

Owego, NY | June 2016 – August 2016

- Created a web application that tracks user's requests for new devices such as laptops and phones in order to decrease load on managers.
- Usage of SQL queries and databases to pull data into C# backend.
- Created a Tableau dashboard to see usage statistics for different projects.
- Worked with a team of interns and supervisors to present project to stakeholders.

## SKILLS

EXPERIENCED IN: Java, C++, C#

FAMILIAR WITH: Python, HTML, CSS, Javascript, SQL

## EXTRACURRICULAR ACTIVITY

### LOCKHEED MARTIN CODE QUEST | TEAM MEMBER

- Solved complex coding problems with other students and learned to parse files for data values and file I/O.

## FIRST ROBOTICS COMPETITION TEAM 2053 TIGERTRONICS | ALUMNI AND MENTOR

- Software Team Lead in implementation of real time control, PID loops, vision system, and motion control feedback loops.

## AWARDS

3RD PLACE LOCKHEED MARTIN CODE QUEST | APRIL 2016

INNOVATION IN CONTROL AWARD PITTSBURGH FIRST ROBOTICS COMPETITION | MARCH 2016