

# NICHOLAS SARGENTE

## PERSONAL DATA

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## SUMMARY

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As a Junior at SUNY Farmingdale pursuing a dual Computer/Electrical Engineering Technology degree, I have taken classes that have helped me along the way, Specifically; "UNIX Operating Systems", which taught me bash, sed, and awk scripting; "Foundations of Computer Programming" 1, 2, and "EET-Computer Applications" Which were all C++ classes; and various EE classes for circuit design, amplification, and telecommunications. I am an amateur radio operator with the callsign KD2DYC, Additionally, I am self taught in C and x86 Assembler (Intel Syntax) to a proficient level. I've attended hackathons and won awards at them. I simply love working with computers and electronics of all types. I am always open to learning new things and constantly seek to improve myself.

## EDUCATION

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<i>Current</i>	Undergraduate at <b>SUNY Farmingdale</b> Three Years   Computer Engineering Expected Graduation Spring 2017. Transferred from SUNY Buffalo.
<i>August 2013</i>	Undergraduate at <b>SUNY Buffalo</b> Three Semesters   Major: Computer Engineering (Transferred out)
<i>May 2012</i>	Graduate from <b>Saint Anthony's High School</b> Graduated from College Preparatory School on Long Island.

## EMPLOYMENT

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<i>August 2013- August 2014</i>	<b>Sales Associate At RadioShack</b> Sold Cellphones, electronics, and components. Dealt with customer needs and troubleshooted problems.
<i>June 2015 - June 2016</i>	<b>Cashier at Victoria's Secret</b> Manned the cash register at a large retail chain operation dealt with customers and maintained floor stock.
<i>June 2016 - August 2016</i>	<b>Information Systems Student Temporary at Memorial Sloan Kettering Cancer Center</b> Analyzed security threats to the computer systems, maintained an VSphere environment, learned about OPsec, and Penetration Testing.

## PROJECTS

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As a programmer, I have several projects that I've worked on. Inquire for Source Code.

<i>spgit</i>	Git message generator that appends your currently playing song to your commit
<i>tkkr</i>	Thermal printer ticker tape for twitter and stock quotes
<i>Asimov</i>	Assembly-Like Object Oriented Programming Language based on NASM.
<i>Apollo Project</i>	x86 Kernel project I have been working on for a few years. At one point Bob Moss of Linux Format, was a contributor.
<i>hyde</i>	Dual personality windowing engine built on top of X11 and ncurses. Winner of Bloomberg's "Most Technically Challenging Hack" at UB Hacking 2014.
<i>ACDC</i>	Custom 16-Bit CPU architecture. Implemented an assembler and emulator in C. Winner of iron.io's Prize at UB Hacking 2013.

## PROGRAMMING SKILLS

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Highly Proficient: C, X86 ASSEMBLY,  
Intermediate Knowledge: PHP, PYTHON, C++, JAVA,  $\text{\LaTeX}$ , OBJECTIVE-C, BASH  
Experience With: MYSQL, Go

## INTERESTS AND ACTIVITIES

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Circuit Design, Radio Communications, Low Level Programming, Open Source Projects,  
Unconventional Programming, Music Production, Photography