

EDUCATION

Villanova, PA	Villanova University	August 2014 - Present
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- B.S. in Electrical Engineering and minor in Computer Science, May 2017 (expected). GPA: 3.61.
- Awarded Dean's List Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016.
- Relevant coursework: software engineering, database systems, machine learning, microcontroller application design, MATLAB, antenna and transmission line design, signal processing, electrical communications, system models & control, data structures, analysis of algorithms, Java, C, C++, Python, SQL.
- Activities: Senior design project: haptic navigation device for the visually impaired, general manager of Villanova's radio station, Institute of Electrical and Electronic Engineers member.

Berkeley, CA	University of California, Berkeley	June 2015 - August 2015
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- *Summer Session*: data structures and algorithms with Java, programming methodology, and discrete mathematics.

La Jolla, CA	University of California, San Diego	September 2013 - June 2014
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- Attended for one academic year then transferred to Villanova University. Studied Electrical Engineering.
- Relevant coursework: C, analog design, digital design.

Stanford, CA	Stanford University	June 2012 - August 2012
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- *Summer Session*: Introductory computer science class with Java.

EMPLOYMENT

Villanova, PA	WXVU 89.1 FM Villanova Radio	September 2014 - Present
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General Manager

April 2016 - Present

- Created new website and a comprehensive guide to station operations.
- Remodeled station to make it handicap accessible. Purchased new equipment for station.
- Revamped social media presence on Facebook, Instagram, Twitter, Mixcloud, and Snapchat. Created new Social Media Director position.

Technical Director

September 2014 - April 2016

- Built new computer for station. Installed new automation software and trained DJs to use it.
- Performed weekly maintenance on equipment. Maintained logs of FM transmitter readings.
- Taught DJs how to use Ableton Live.

Villanova, PA	Villanova Tech Crew	August 2014 - Present
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Crew Member

- Set up equipment for live performances (mixing boards, amplifiers, speakers and speaker stands, microphones and microphone stands, and XLR cables).

SKILLS & EXPERIENCE

Projects

- Fitness tracker app for iOS (in progress)
- Haptic navigation device for visually impaired

Programming Languages & Skills

- Java, C, C++, Python, Swift, SQL
- iOS Development, Xcode, MATLAB

Operating Systems

- Windows, Linux/Unix, Mac OS, Ubuntu

Software

- Xcode, Sublime Text
- Microsoft Office 365, Adobe Acrobat, Google Docs, Pages, Numbers, Keynote
- MATLAB, Simulink, Altera Quartus II, NI Multisim, NI LabVIEW, Keil uVision5, Weka

Laboratory

- Arduino, Raspberry Pi, oscilloscope, logic analyzer, bode analyzer, signal generator, solder, multimeter