

Patrick Woodburn, Software Engineer

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SUMMARY A software engineer passionate about emerging technology that allows users to interact with the world around them.

EXPERIENCE **Comcast, Software Engineer** Mar 2015 — Present
xfinity.com

- o Designing and developing home security and home automation systems.
- o Operating within a team of developers to develop and test a new home automation system
- o Working with on internet connected devices to automate and secure users' homes.

Franklin Institute, Teacher Apr 2006 — Present
fi.edu

- o Teaching robotics to high school students
- o Planning lessons on the topics of electrical and software development.
- o Teaching students how to program and build circuitry required for multiple applications of robotics.

Independence Blue Cross, Software Engineer Aug 2014 — Feb 2015
ibx.com

- o Writing secure access software for customers to access their person private Insurance information.
- o Implementing given designs so that users may have the most comfortable experience possible when accessing their insurance information.

BioHitech America, Intern Jan 2014 — Jul 2014
biohitech.com

- o Developed Linux-based software to run on industrial organic digester
- o Developed software to run on headless industrial machinery and perform analytics on their use.
- o Set up and maintained Linux devices to be used in embedded industrial applications.

VOLUNTEERING **Code for Philly** May 2011 — Jan 2016
codeforphilly.org

- o Developed Open source software for the betterment of conditions in Philadelphia
- o Acted as a subject matter expert on developing API's and integrating them into web and mobile apps.

EDUCATION **Harrisburg University Of Science And Technology** Sep 2010 — May 2014
Bachelor - Computer Information Sciences, GPA: 3.4 Major

SKILLS **Software Engineering:** Java, C++, Python, Android, HTML, Object Oriented Programming, JavaScript, Nodejs, Git, Linux, rxJava
Electrical Design: Circuit Design, Prototyping

INTERESTS Robotics [*Internet Of Things, Electrical, Control Systems*], Artificial Intelligence [*AI, Neural Networks, Big Data*], Home Automation [*Internet Of Things, Electrical*], Embedded Systems [*Linux, Micro Controller, PIC, AVR, Arm*]