

Education **B.S., Computer Engineering** 2010
The Pennsylvania State University, University Park, PA.

Skills

- Web Development (HTML, CSS, SASS, Less, JavaScript, JQuery, Angular.js, Backbone.js, Node.js, ASP.NET)
- Databases (Mongodb, MySQL, Microsoft SQL, Oracle, Access)
- Computer Programming (C, C++, Visual Basic, C#, XML)
- Agile Software Development
- Revision Control (TFS, Git, SVN, Dimensions)
- Adobe Design Suite (Photoshop, Dreamweaver, Illustrator, Flashbuilder)
- Public Speaking

Work Experience **Web Development Engineer** 2012 to Present
Zoll Medical Corp., Pittsburgh, PA

- Develop software using various software languages (ASP, ASP.NET, C#, HTML, CSS, Javascript, JQuery, Angular.js).
- Design and maintain databases in Microsoft SQL Server.
- Develop stored procedures in Microsoft SQL Manager.

Programmer III 2012
Tetra Tech Inc., Greentree, PA

- Develop software using various software languages (ASP.NET, C#, Actionscript, XML, Adobe Flash, JavaScript, AJAX, HTML, XHTML and CSS).
- Design and maintain databases, specifically Microsoft SQL Server and Oracle.
- Develop applications with the Flex API and ArcGIS Mapping API.

Software Engineer 2010 to 2012
Bombardier Transportation, West Mifflin, PA

- Design, Maintain, and Develop vital ATP (automated train protection) software.
- Lead ATP engineer for the Tianjin Line 2 and Line 3 Metro project and Munich APM.
- Part of a three member R&D team migrating the ATP software from a Power PC board to a 3 computer (2 RHEL4.0, 1 FreeBSD) vital framework.

Freelance Web/Graphic Designer 2011 to 2013
Pittsburgh, PA

- Designed the following in association with Associated Dental Specialists:
 - Brochures, Posters, Programs, and PowerPoint Presentations
- Developed a website Portfolio/Blog JustinGlock.com running off of Node.js using HTML, CSS, JavaScript, and Angular.js.
- Designing and developing a golf scorecard database and statistics site using Mongodb as the database, Node.js on the backend with Sails.js CMS and Backbone.js on the frontend.

Software Engineer Intern
Bombardier Transportation, West Mifflin, PA

2007, 2008, 2009

- Designed and created a Binary Differencing Tool using Object-oriented Programming in C#.

Other Projects

Senior Capstone Design Project

Armstrong World Industries Ceiling Tile Directionality Measurement Tool

- Implemented the Systems Development Life Cycle.
- Designed software written in C# to interact with digital cameras and web cameras to analyze the directionality of ceiling tiles.

Skin tone Detector

- Wrote firmware for an FPGA (Field Programmable Gate Array) using Verilog to implement a Skin tone Detector.

Audio Control Board

- Designed the board layout.
- Constructed the audio control board capable of adjusting the volume, bass, and treble.