

# Nickolas J Hilton

Seeking full-time employment as a software developer beginning Summer of 2017

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## Education

Rochester Institute of Technology  
BS in Computer Science, December 2016  
Cumulative GPA: 3.5  
Computer Science House Member

## Relevant Classes

Parallel and Distributed Systems  
Systems Programming  
Object Oriented Programming  
Data Structures

## Professional Experience

<b>Microsoft</b> Summer - 2015	Used C++/CX to make a Universal Windows App for the Windows Shell team App used to validate and create JSON consumed by a feature of Windows 10 Tested cutting edge tools during Windows 10 and Visual Studios 2015 development
<b>Intuit</b> Spring - 2015	Created a co-browsing and video chat solution for use with customer insights Developed co-browsing solution using Javascript, Websockets, and WebRTC Presented solution to executives, as well as its current market competitors Developed a "man in the middle" application meant to push the boundaries of browser security Application would create a sandboxed iframe for running external HTML and Javascript Developed a state machine graph creator using AngularJS and NodeJS Application allows outside companies to create applications to run on TurboTax engine Focus was on an intuitive user experience and wide functionality
<b>MITRE</b> Spring - 2014 Summer - 2014	Acted as team leader on several projects, responsible for planning, pacing, and packaging Occupied a leadership role among a group of a dozen interns Created a secure content delivery system to scale to the corporate level Developed iOS applications to corporate security standards utilizing Good Dynamics Created applications for emerging technologies, such as the Pebble Watch Introduced interactive capabilities for traditionally simple sensors (iBeacons, QR Codes, Geofencing)
<b>MITRE</b> Summer - 2013	Developed systems in C# utilizing network capabilities to control multiple networked devices Prototyped solution for securing digital artifacts in an enterprise environment Assessed user based technology to obscure the complexity of a collaborative tool being prototyped Organized group of potential end users for usability testing Assessed and developed the prototype from the perspective of a millennial generation employee Presented the results to the highest levels of the company
<b>RIT</b> Fall - 2013	Maintained and developed front end applications for the student body Developed small scale systems for the student body using PHP, JQuery, and CSS3 Utilized Javascript and CSS to push restrictions that third party systems imposed on projects

## Personal Projects ([github.com/geekster777](https://github.com/geekster777))

### Personal Blog

Project written with NodeJS, AngularJS, and MongoDB  
Web app pulls articles from a database to present  
Admin login to create articles through Web UI

### 3Depict

Web app using JQuery and HTML5 Canvas to draw  
Allows multiple layers for three dimensional effect  
Parallax mode to change view angle with mouse input

### 3-Dimensional Game Engine

Personal learning project coded in C#  
Created in-game models and lighting  
Programmed level-making functionality

### 8x8x8 LED Cube

A cube of over 500 LED's  
Displays three dimensional animations  
Powered by an Arduino.

## Knowledgeable in

- ♦ C#
- ♦ C++/CX
- ♦ Javascript/JQuery
- ♦ HTML/CSS

## Comfortable With

- ♦ Node JS
- ♦ C
- ♦ Python
- ♦ Linux

## Exposed To

- ♦ Haskell
- ♦ Java
- ♦ x86 Assembly
- ♦ Objective C