# Nickolas J Hilton

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- nhilton777@gmail.com • 7 Alexander Road, Londonderry NH 03053 • 603-247-9124 • www.nickhilton.net Education

  - Rochester Institute of Technology

  - BS in Computer Science, December 2016

  - Cumulative GPA: 3.5

  - Computer Science House Member

## Classes

- Parallel and Distributed Systems

- Object Oriented Programming

- Data Structures

## Knowledgable in

- C#

- C++/CX

- Node JS

- Javascript/JQuery

- HTML5

- CSS3

- Linux

- .NET Framework

- Objective C

- Java

- Python

- C

## Personal Projects (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
display three dimensional animations.
Powered by an Arduino.

## Professional Experience

### Microsoft - Co-op (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

## Intuit - Co-op (Spring - 2015)
Created a co-browsing and video chat solution for customer support 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

## MITRE Corporation - Co-op (Spring & 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 (Android/Apple compatible watch)
Introduced interactive capabilities for traditionally simple sensors (iBeacons, QR Codes, Geofencing)

## MITRE Corporation - Co-op (Summer - 2013)
Developed systems in C# utilizing network capabilities to control multiple networked devices
Prototyped solution for securing digital artifacts in enterprise
Assessed user based technology to obscure the complexity of a collaborative tool being prototyped at Mitre
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

## RIT Library - Part Time (Fall - 2013)
Maintained and developed front end applications for the student body
Developed small scale systems for the student body that utilized PHP, JQuery, and CSS3
Utilized Javascript and CSS to push restrictions that third party systems imposed on projects