

Nickolas J Hilton

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Objective

Seeking a full-time opportunity as a software developer in any location for the Summer of 2017

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