

# David Niquette

206 Sandy Hill Rd Middlebury, CT 06762  
203-206-3344 | niquetted@wit.edu

## EDUCATION

### Wentworth Institute of Technology, Boston, MA

Bachelor of Science in Computer Science

Expected: August 2014

Cumulative GPA 3.19, WIT Merit Award Scholarship

## RELATED COURSEWORK

Algorithm Design and Analysis  
Compiler Design

Computer Graphics  
Operating Systems

Mobile App Development  
Software Design and Development

## TECHNICAL SKILLS

**Languages:** C#, Java, C++, OpenGL, GLSL, Python, Javascript, Html, CSS, Sql, X86 Assembly,

**Software:** Visual Studio 2010-2012, Eclipse, GIT, Assembla, TeamCity, Jira, GitHub, Bitbucket, Microsoft Office

## PROJECTS

### Remote Automated Horticulture:

Summer 2014

- Senior design project focused on monitoring, controlling and automating an indoor garden environment
- Designed Arduino circuits for sensors and relays
- Implemented Java application for Raspberry Pi
- Utilized pusher.com and parse.com for application backend

### Quadcopter:

Spring 2014

- Interdisciplinary project between computer science and mechanical engineering
- Designed and implemented control station application using XNA and C#
- 3D printed frame and assembled circuits

### PRVR: Real-Time Graphics Demonstration

Spring 2013

- Received 2<sup>nd</sup> in the combined demo competition at The Gathering 2013
- Implemented procedural landscape using derivations of Perlin noise and GLSL shader language

### REM: Real-Time Graphics Demonstration

Spring 2012

- Placed 3<sup>rd</sup> in the combined demo competition at the Gathering 2012
- Managed Graphics related matrices

## WORK EXPERIENCE

### High Street Partners, Bedford, Ma

September 2013 – December 2013

#### Intern

- Developed business software using the Service Oriented Architecture design pattern
- Practiced the SOLID principles of Object Oriented Programming
- Worked closely with Quality Assurance to identify and resolve bugs
- Created integration and unit test for services
- Interviewed candidates for spring internship

### Outracks Technologies AS, Oslo, Norway

January 2013–April 2013

#### Intern

- Practiced principles of test driven development
- Wrote over 3000 unit test for Uno standard library
- Helped develop and test intelli-sense for Realtime Studio
- Developed product demonstration for Game Developers Conference in San Francisco

### Anthem Kitchen and Bar, Boston, MA

September 2011 – July 2014

#### Food Runner

- Managed bringing food from Kitchen to Customers
- Worked with colleagues to maintain an organized and proficient work environment

## HOBBIES & INTEREST

Arduino, Raspberry Pi, Circuitry, Computer Graphics, Motion Graphics, Snowboarding, Skateboarding, Cooking