

287 Langley Rd.  
Unit #35.  
Newton, MA, 02459

# BENJI SMITH

[github.com/Benjins](https://github.com/Benjins)

617-584-7739

[smith.benj@husky.neu.edu](mailto:smith.benj@husky.neu.edu)

## Work Experience

**Research Assistant**, CadLab Northeastern

*November 2013 - Present*

- Programmed web app for clinical use
- Ported old projects, e.g. file uploading, into new usage in PHP and JavaScript

**Research Assistant**, Bouvé College Northeastern

*February 2014 - Present*

- Wrote person-based simulator of construction sites in C++
- Adapted project to suit statistical analysis by other members of the team

## Programming Experience

- Created 3D vector math library in C++
- Built software-based renderer from scratch in C++
- Scripting Programmer for Global Game Jam team
- Built clinical web app to help with diagnosis of Motor Speech Disorders
- Simulation tool to model construction workers

## Programming Languages

Experience In:

- C/C++
- JavaScript

Familiar With:

- Racket/Scheme
- Java
- C#

## Relevant Coursework

- Fundamentals of Computer Science 1 & 2
- Calculus 1-3
- Art Foundations: 2D & 3D

## Education

**Northeastern University, Boston, MA**

*BS in Computer Science and Digital Art*

Expected Graduation: May 2018

Current GPA: 3.97/4.0

**Newton North High School**

*Newton, MA*

Graduation: May 2013

GPA: 4.37/5.0

## Technology

- Git Version Control
- Eclipse IDE
- Linux Shell Terminal
- Blender
- Unity 3D (Design and Scripting)
- Photoshop
- Indesign
- Illustrator

## Personal

- Basic fluency in Mandarin Chinese
- 2013: Biked from Amsterdam to Barcelona over the summer.
- 2009-2013: Worked on school's FIRST Robotics team, helped with construction of four robots

Interests:

- Computer Graphics
- Game Development
- 3D Math/Computation
- Cycling,