

# Eddie Ng

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## Education

**Tufts University**, Medford, MA  
Bachelor of Science in Computer Engineering (May 2010)  
GPA 3.63, Magna Cum Laude, Dean's List

## Computer Skills

**Software:** Unix, Cygwin, TotalView, Cadence (VLSI design)  
**Programming Languages:** C, C++, JavaScript, Python, Java, VBA, VHDL, Verilog, Assembly Language (Motorola 68HC12 Microcontroller), MATLAB

## Relevant Coursework

- Data Structures (C++)
- Operating Systems (C)
- Computer Communication Networks
- Game Development (Java)
- Microprocessor Architecture and Its Applications (with lab)
- Digital Image Processing

## Projects

Github Portfolio: <http://linked82000.github.io>

- WafelLocator: Find the closest Wafels & Dinges truck and get directions to it
- Geocode: Plot a location in both an overhead Google Map and a StreetView
- GameOfLife: Conways game of life in JavaScript

Two-Pass Assembler for MIPS Machine

- Created C++ implementation of assembler
- Translated assembly language code into machine code

Ablockalypse <<http://www.eecs.tufts.edu/~eng04/COMP50GD/>>

- Created a game for the Android OS using Android SDK (Java)

4-bit ALU VLSI Design (*Fall 2009*)

- Designed schematic for 4-bit ALU with 16 operations
- Designed layout and simulated via Cadence

## Work Experience

**Raytheon NCS**, Marlborough, MA  
*Software Engineer (June 2010- 2012)*  
*Software Engineer II (2012-present)*

- Use C to Develop robust air traffic controller software for the FAA
- Debug and fix complex software issues

**Tufts University**, Medford, MA

*Teaching Assistant: Microprocessors (September 2009-December 2009)*  
*Teaching Assistant: Digital Logic Systems (January 2010-May 2010)*

- Assist in design and administration of LABs

**IVACorporation**, Sudbury, MA

*Iris-Scan Camera Assembler (July-August 2007)*

- Collected, inspected, and prepared device components
- Assembled and tested iris-scan/biometrics cameras

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### Activities, Awards, & Groups

Morris and Sid Heyman Scholarship Prize (*March 2010*)

Eta Kappa Nu (HKN) Electrical/Computer Engineering Honor Society  
*Treasurer (October 2009-2010) Member (October 2008-2010)*

IEEE Tufts University  
*Member (October 2008-2010)*

Tufts Fencing Team  
*Member of Foil Squad (September 2008-April 2009)*

Sports Update TV Show, Wayland, MA  
*Director (October 2005-June 2006)*

- Oversaw, delegated, and coordinated video shots with cameramen
- Instructed and facilitated crew operations