

# Ian Swain

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## Education

### Northeastern University, Boston, MA

**Fall 2012 - Present**

College of Computer and Information Science

Candidate for a Bachelor of Science in Computer Science & Game Design, Spring 2017

**Related Courses:** Software Development, Object Oriented Design, Programming in C++, Building Game Engines, Algorithms and Data,

**Honors:** Deans List Fall 2014, Spring 2014

### Yorktown High School, Arlington, VA

**Fall 2008 - Spring 2012**

**GPA:** 3.2/4.0

**Activities:** Computer Science Club Founder, Consul of Junior Classical League

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## Computer Knowledge

**Languages:** Java, C#, C++, Haxe, Javascript, Racket(Scheme), HTML, CSS

**Frameworks/Programs:** OpenGL, NodeJS, AngularJS, Unity, Snowkit, Adobe Creative Suite, bash

**Other:** Procedural generation/graphics

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## Experience

### Engineering Intern, Applause, Framingham, MA

**Spring 2015**

- + Worked on a team to develop a new internal app with added functionality
- + Managed QA relations, fixed bugs and focused testing
- + Developed new features while adhering to internal and external standards
- + Learned new frameworks and applied them to current work

### Barista, Pavement Coffeehouse, Boston, MA

**Summer 2015-Present**

- + Completed certification program to ensure quality barista work
- + Promoted from counter staff
- + Part of a team keeping cafe clean and running smoothly

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## Projects

### Game Prototypes

**2013-2014**

- + Created prototypes in Unity(C#) and luxe(Haxe) for class projects and free time
- + Used procedural generation, written shaders, and created online gameplay
- + Found issues and assisted troubleshooting in luxe development

### Luzhanqi AI, Software Development

**2014**

- + Created AI to play Luzhanqi against another AI on a team of 4 students
- + Written in Java, using standard input/output to send and read moves

### Animation Framework, SFML

**2013**

- + Created a framework for sprite animations in SFML (OpenGL Library for C++)
- + Loaded images and divided them into sprite sheets for animating

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**Interests:** Self taught guitar player, vegan cook, record collector

**References:** Furnished on request