Liam Brady

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Education

Tufts University — Medford, MA
- Bachelor of Science in Computer Science, May 2018
- 3.85 GPA

Beaver Country Day School — Chestnut Hill, MA — H.S. Diploma, June 2014 — Cum Laude

Experience

NuVu Studio, Cambridge, MA — Assistant Coach/Intern — Summers, 2012 - 2015
- Taught students how to code in C++ and C# (in the Unity3D environment).
- Lead workshops on programming and on working with Arduinos.
- Designed tutorials for using digital and electronic parts, e.g. LED strips and motor shields.
- Taught and guided students with computer-aided design (Rhino) and rapid prototyping.

Wolfram Research, Somerville, MA — Intern — April 2014 - June 2014
- Designed a program that matched a problem created with the Problem Generator to its common core fulfillment.
- Tested and debugged explorations used to teach people the Mathematica language.

Skills

- **Programming/Languages:** C, C++, Processing, UnityScript (JavaScript/C# based), HTML/CSS, MaxMSP, JavaScript, Python
- **Technology:** Logic Pro, Photoshop, Final Cut, Rhino, Maya, Eagle, Comfortable with Linux CLI

Projects

- **LED Christmas Light System**: Designed and built system that reacts to music input
- **iMat**: Interactive floor projection installation with virtual games like soccer and pong
- **Low-poly First Person Shooter**: Made using Unity3d to learn networking protocols
- **Arith**: Built a JPEG-inspired image compressor in C
- **Boggle**: Implemented a program to check, solve, and score Boggle games
- **Music Box**: Redesigned and rebuilt a handsfree MIDI musical instrument for mixing music live
- **The Road to Cuba**: Created a 30 minute documentary focused on my jazz class's trip to Cuba
- **Tecnología y Educación**: Infographic in Spanish about the use of technology in education

Activities

JumboCode, Member — 2016 - Present
- Redesign the ferry schedule website for Boston Harbor Islands

Tufts TURBO, Bboy and Graphic Designer — 2014 - Present
- Promote Bboy/Breakdancing culture on the Tufts campus
- Design flyers and graphics to give the club a recognizable identity