

Jesse Pelzar

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Education

Binghamton University, State University of New York, Watson School of Engineering

Expected May 2019

Bachelor of Computer Engineering | Major GPA: 3.5

Website: jessepelzar.com | Github: <https://github.com/jessepelzar>

Technical Skills

Computer Programming: Javascript, Node.js, C, C#, MATLAB, HTML5, CSS, Swift, VHDL

Computer Programs: Visual Studio, XCode, Madrix 3, Git, Resolume, Unity3D, Maya, Adobe CC

Computer Hardware: Arduino Board, Raspberry Pi, Intel Edison, Intel Realsense, FPGA, IOS, Sensors, Oculus Rift

Professional Experience

LUMA Projection Arts Festival - The Wonderful Wizard

Binghamton, NY | Software Engineer & 3D Designer, Project Leader

July 2017 – Present

- Developed a 3D modeled motion tracked head using an Intel Realsense SR300
- Project was built in Unity3D using C# for the functionality and Autodesk Maya for the Creation of all 3D assets.
- Coordinated design goals with the LUMA team and gained valuable experience throughout the whole process.

Loomx LLC - Personal Company

Jericho, NY

Founder/CEO

December 2016 – Present

- Loomx specializes in amplifying audio based experiences through the process of programming and designing responsive lighting installations.
- Utilized hardware such as DMX led controllers, WS2812B LEDs, Arduino and Raspberry Pi microcontrollers.
- Developed a physical controller enabling clients to customize lighting options that best compliments their desires.
- Numerous installations within the state of New York and growing.

PhonofixBU - Personal Company

Binghamton, NY

Founder/CEO

April 2014 – Present

www.phonofixbu.com

- Developed a user friendly website incorporating node.js making it painless for Binghamton University students to schedule a repair for their iPhones.
- Over the course of three years, we successfully repaired 2,000+ iPhones

LoomVR - Startup Company

Binghamton, NY

Co-Founder

December 2015 – May 2017

- Concepted, designed and developed a virtual reality experience providing a enjoyable way for people to learn a new language.
- Utilized the programing environment Unity3D and Maya for the developmental process.
- Started and oversaw an independent study at Binghamton University that granted students the opportunity to contribute their skills towards the production of LoomVR

Jetti Apps INC - Startup Company

Binghamton, NY

Co-Founder/CTO

December 2015 – May 2017

- Concepted and designed the UI and UX for an event-based social media app called Pulse for Android and IOS.
 - I contributed to the front-end development using Swift within the XCode environment.
 - Achieved an active user base of 5000+ within the first week of launching.
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Leadership

Binghamton University Entrepreneurship Learning Community

Binghamton, NY

Entrepreneur

August 2014 – May 2017

- Was one of 15 people chosen from a pool of over 200 applicants
- Given the opportunity to network amongst students with a range of skill sets that contributed to numerous collaborations.