

## EDUCATION

**New York University**, Brooklyn, NY  
B.S. Computer Science

May 2021  
Tisch Game Minor

**Relevant Coursework:** Computer Architecture, Data Structures & Algorithms, Object-Oriented Programming, Intro to Databases(Summer 2020)

**Achievements and Honors:** Beta-Developer for FTC, Control Award Nominee (Top 6 in World) for Best Programming at 2016 FIRST Robotics World Championships, Lead RobotC Instructor at various FIRST Robotics Statewide Conventions, Say Watt Robotics World Qualifiers (2011-2016), MS PowerPoint Certification from Microsoft, AP Scholar with Distinction, Dancer Performer at Disneyland Paris, Dance Performer at Lincoln Center, Dance Performer at Carnegie Hall

## SKILLS

**Software Languages:** C++, CSS, HTML, Java, JavaScript, Python, Swift (novice), Unity's C#, XML, x86 Assembly

**Software Packages:** Adobe CC, JS's Ajax, Android Studio, Arduino IDE, Audacity, Dev-C++, FireBase, Flask, GitHub, Google SketchUp, Microsoft Office, MySQL, NetBeans, Python's MySQLdb, RobotC, Unity, VMware WorkStation, WordPress, XCode

**Hardware:** Arduino, Dremel, Hand Mill, Laser Sight Drill, Heat Gun, Oculus Rift S, MakerBot 3-D Printer, Myo, Soldering Iron

**Other Skills:** Ultimate Frisbee, Board Games, Hip-Hop, Bhangra, Bollywood Dance, Hindi (fluent), Spanish (novice)

## PROJECTS

**Horror Maze VR Game** (Unity3d, Unity C#, Oculus Rift S)

Summer 2019 –Present

- An easily downloadable unity VR Horror demo for rapid development and testing of other projects
- Tutorial sources and reverse engineering questions in readme
- Review of the new Rift S and native RiftSDK for perspective developers

**ToDoList Sample Site** (HTML, CSS, JS, JS'Ajax, Python's Flask, Python's MySQLdb, MySQL)

Spring 2018 – Summer 2018

- Allows you to add, delete and update tasks with local database storage and web persistence
- Since money is tight, freely tunneled to public through Ngrok
- Allows for searching through already added tasks

**Lynx Retail Transactions Platform** (Arduino, Google SketchUp, Swift, XCode)

Fall 2017 - Winter 2018

- Created a Lynx module using Arduino Uno with BLE 4.0 encased in 3D printed housing
- Provided three basic services through a companion app: paying a store, participating in loyalty programs, and sending discount notifications between the consumer and store owner
- Developed a product demo and companion app that can be found on our GitHub repository

## PROFESSIONAL EXPERIENCE

**SteamWorks, Teacher**, Edison, NJ

July 2018 - August 2018

- Taught virtual reality game programming classes using Oculus and Unity
- Taught Arduino wearables and Raspberry Pi programming classes
- Supplemented the curriculum with hands-on projects, demos, and presentations

**BlueStamp Engineering, Technical Assistant**, Manhattan, NY

June 2017 - August 2017

- Gave lectures on website design to more than 60 students
- Worked with students during office hours to co-create and troubleshoot their website code
- Created and maintained company's NYC 2017 webpage

**Stanford Pre-Collegiate Summer Institute, Stanford University**, Stanford, CA

June 2016 - July 2016

- Wrote a research proposal and abstract examining the relationship between construction and soil erosion
- Programmed Arduino microcontroller and various sensors to test soil quality and fertility at four sample sites
- Presented findings to UCSC professors and Stanford students

**Squad Goals Fitness, Co-Founder and Chief Technical Officer**, Cambridge, MA

July 2015 - September 2015

- Co-founded a startup through the MIT Launch summer program
- Led development of a smartphone based physical exercise-oriented social media platform
- Presented to New Atlantic Ventures

## ADDITIONAL ACTIVITIES

**UltraViolets Live! - NYU Inter-Residence Talent Competition**, Manhattan, NY

November 2017-Present

*Hip-Hop Competitor (2017-Present)*

**PlayTest Thursdays**, Brooklyn, NY

December 2018-Present

*Tabletop Game Developer (2017-Present)*

**Indianica Dance Academy**, Iselin, NJ

September 2004 - 2017

*Finale Performer 2006-2017, Featured Soloist (2016)*

**Say Watt FIRST Robotics**, Edison, NJ

August 2011 - 2017

*Co-Captain of Software 2014-2015, Captain of Software & Co-Captain of Team 2016 – 2017*