

# Norman Zhao

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[normanzhao.github.io/](http://normanzhao.github.io/)

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## **Education:**

**New York University's Tandon School of Engineering**  
Bachelor of Science in Computer Engineering

**Expected: May 2018**  
**Major GPA: 3.14**

*Curriculum Highlights:* Python, C++, Object Oriented Programming, Data Structure and Algorithms, Fundamentals of Circuits, Electronics, Digital Logic, Computer Architecture, Discrete Math, Communication Networks, Databases

**Brooklyn Technical High School**  
Electrical Engineering Major – Autodesk Inventor certified

**Graduated: June 2014**

*Curriculum Highlights:* MySQL, C#, Boolean Algebra and Circuitry Analysis, 3D Modeling and Design

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## **Work Experience:**

- **NYU Athletics**  
Employee  
September 2016-Present  
Brooklyn, NY
  - Designed and 3D print various components for supervisor
  - Set up spaces for multiple events and sport games
  - Promote fitness and health within NYU-Tandon
- **Bazaarvoice**  
Data Analyst Intern (Remote)  
Data Analyst Intern  
August 2016-December 2016  
May 2016- August 2016  
Austin, TX
  - Rebuilt a monthly data pull Python script that would compile certain metrics sent to all clients of Bazaarvoice to run in 14 hours instead of 130.
  - Rebuilt an internal weekly report that would combine data of all clients of Bazaarvoice to run in 8 hours instead of 60
  - Productionized Python scripts that would send specific metrics for various clients to run autonomously
  - Built multiple data pull scripts that would compile numerous metrics into a variety of formats including CSVs, Excel files and SQL tables for clients and internal usage
  - Overhauled multiple internal tools with PHP and Python with added functionality and improved runtimes

## **Projects:**

- **C++ turn based fighting game**  
Standalone fighting game utilizing action queues and basic randomization
    - Action queue used FIFO management to account for proper order of actions
    - Custom pooling system allowed for the summoning of “minions” by the boss character
    - CPU characters utilized randomization for their actions
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## **Skills:**

- Languages: Python, C++
- Data: SQL, numPy, pandas
- Web: Javascript, HTML, CSS, PHP, Actioscript 3
- Design: Adobe Photoshop, Adobe Illustrator, Adobe Flash, Autodesk Inventor, Multisim, Xilinx ISE, Blender
- Microsoft: Word, Excel, Powerpoint
- Familiar with OOP and MVC concepts
- Experienced in soldering, electronic prototyping and computer hardware