

# Efrayim Zitron

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## EDUCATION

**NYU Polytechnic School of Engineering, Brooklyn, NY**

**May 2015**

*Bachelor of Science in Computer Engineering*

Cumulative GPA: 3.98

**CUNY Brooklyn College, Brooklyn, NY**

**Sep 2011 - May 2013**

*Coordinated Engineering Program, 4.00 GPA*

### **Relevant Courses:**

Object-Oriented Programming

Intro to Databases

Communication Networks

Data Structures

Network Security

Probability and Statistics

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## TECHNICAL SKILLS

Programming Languages: C++, Python, Java, PHP

Tools / Technologies: HTML, CSS, MySQL

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## EXPERIENCE

**Teaching Assistant – NYU Polytechnic**

**Sep 2014 – Present**

- Assist students with content-related inquiries.
- Grade and provide feedback on homework assignments

**Summer Research Assistant at NYU Polytechnic**

**June – August 2014**

Infrastructure for Quantitative Analysis of Wikipedia Data

- Implemented database infrastructure for the WikiDAT open-source project.
- Designed abstracted versions of the database using Python and SQLAlchemy, for MySQL and PostgreSQL variants of the original database.
- Benchmarked bulk inserts into various versions of the abstracted databases.

**Summer Research Assistant at Brooklyn College**

**June – July 2013**

Measuring Body Rotations – Microsoft Kinect

- Assembled an LED configuration to detect body rotations when attached.
  - Manipulated raw data from data buffer using open-source Psychtoolbox to analyze the visual limitations of the Microsoft Kinect.
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## ACADEMIC PROJECTS

**Calendar Web Application, NYU Polytechnic**

**Fall 2013**

*(Manages event scheduling for a user)*

- Developed an application to enable log-in functionality, user validation and data manipulation with HTML5, CSS3, and PHP.
  - Produced entity-relationship diagram and relational database schema to outline the design of the back-end database, which was implemented using MySQL.
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## HONORS

*The Jonathan Marc Zimmering Memorial Prize (2013).*

Awarded for outstanding achievement in the Coordinated Engineering program at Brooklyn College.

Eta Kappa Nu, Electrical and Computer Engineering Honors Society