

# Efrayim Zitron

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## EDUCATION

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

*Bachelor of Science in Computer Engineering*

**May 2015**

Cumulative GPA: 3.98

### **CUNY Brooklyn College, Brooklyn, NY**

**Sep 2011 - May 2013**

*Coordinated Engineering Program, 4.00 GPA*

Students attend Brooklyn College for the first two years of undergraduate engineering studies, and then transfer out to complete the degree.

### **Relevant Courses:**

Object-Oriented Programming

Communication Networks

Data Structures

Network Security

Intro to Databases

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

### **Summer Research Assistant at NYU Polytechnic**

**June - August 2014**

- Implemented database infrastructure for quantitative analyses of Wikipedia data 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.

## 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.
  - Wrote prepared statements to securely execute database queries.
  - 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