# Gabriel Ochoa

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## Education

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| Binghamton University, State University of New York | BINGHAMTON, NEW YORK |
| **B.S. Computer Science and B.A. Mathematics** | *Sept 2012 - May 2016* |

## Skills & Interests

**Programming languages:** C++, Java, Python, C, C#
**Technical Knowledge:** Unity, OpenGL, Accumulo, MongoDB, GTest, LeapMotion, Git, LATEX
**Human Languages:** English (Native), Korean(Elem.), Spanish(Elem.), Mandarin Chinese (Beginner)

## Professional Experience

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| Bloomberg LP | NEW YORK, NEW YORK |
| **Software Engineer in Training** | *June 2016 - Present* |
| **BVault Software Engineering Intern** | *Summer 2015* |

- Designed, Tested and Implemented API for Accumulo DataBase
- Used in production to process/query over a billion cloud stored xml files
- Created to be SEC compliant storage for the financial services industry
- Skills: Accumulo, Hadoop, Java/C++/Python, GTest, Git, Vim/SublimeText/IntelliJ

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| Binghamton University | VESTAL, NY |
| **Course Assistant CS140 - Programming with Objects** | *Fall 2013 & Spr 2014* |

- Assited students with lab projects and assignments.
- Skills - Java, Git, Eclipse

## Projects (ordered chronologically)

### Cosmos

An electronic platform for trading fake commodities contracts
C++, POSIX Sockets, GTest, Travis CI, Markdown.

### Deceit - Best FOSS Hack                                      *BrickHack Spr16*

Webapp Card Game based on Dixit (the board game)
Python, Flask, and Reddit API.

### Cinemini - Hippest Hack Winner                               *HackBU Spr15*

Edits a film down to 5 minutes using the plot and subtitles
Python, MoviePy, and Wikipedia API.

### FriendWagon - Best Use of AWS Winner                         *BrickHack Spr. 2015*

"Uber for Road Trips"
NodeJS, Spotify and Twilio API. Hosted on AWS.

### VR Checkers                                                  *CS460: Graphics Programming*

Created a 3D version of checkers to run while using Oculus Rift Headset
C++, OpenGL, Oculus Rift

### Student Registration System                                 *CS432: Database Systems*

Designed and Implemented a Student Registration System for use by both teachers and students
Java, SQL, PL/SQL

## Activities

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| **Association of Computing Machinery (ACM)** | *2012 - Present* |
| Computers Robotics and Engineering Special Interest Housing (CoRE): | *2014 - Present* |
| **Binghamton ACM Projects Division: President and Lead Project Manager** | *2012-2016* |