

Gabriel Ochoa

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EDUCATION

Binghamton University, Watson School of Engineering and Applied Science
Bachelor of Science in Computer Science and Mathematics

Binghamton, NY
Sept. 2012 - May 2016

RELEVANT COURSE PROJECTS

Graphics Programming (C++, OpenGL, Oculus Rift)

Created a 3D version of checkers to run while using Oculus Rift Headset

Database Systems (SQL, PL/SQL, Java)

Designed and Implemented a Student Registration System for use by both teachers and students

Visual Information Processing (C++)

Worked to create a CAPTCHA solving bot using machine learning

SKILLS

Java, C++, Python, C, OpenGL, C#/Unity, Hadoop/Accumulo, MongoDB, GTest, LeapMotion, Git

EXPERIENCE

BLOOMBERG L.P., Research & Development, *BVault Software Engineering Intern*

New York, NY

Designed, Tested and Implemented API for Accumulo DataBase

5/2015 – 8/2015

Used in production to process/query over a billion cloud stored emails, voice files, social/IM feeds, trades etc.

Created to be SEC compliant storage for the financial services industry

Skills - Accumulo, Hadoop, Java/C++/Python, GTest, Git, Vim/SublimeText/IntelliJ

EASTERN ACCOUNT SYSTEMS, *Customer Service Representative*

Brookfield, CT

Handled inbound calls for pre-collections Comcast customers.

7/2014 – 8/2014

Heavy database and data entry, along with conflict resolution.

BINGHAMTON UNIVERSITY, *Course Assistant CS140*

Binghamton, NY

Assisted students with lab projects and assignments. Held office hours once a week and wrote labs.

8/2013 – 6/2014

Skills - Java / Git / Eclipse

PROJECTS

CineMini, *HackBU Spring 2015: Hippest Hack Winner* - <https://github.com/gabeochoa/cinemini>

Worked in a group of two to create "Cliffnotes for Movies". Edits a film down to 5 minutes using the plot and subtitles
Python, MoviePy, and Wikipedia API.

FriendWagon, *BrickHack Spr. 2015: Best Use of AWS Winner* - <https://github.com/alanplotko/RoadTrip>

Worked in a group of four to create an "Uber for Road Trips".

NodeJS, Spotify and Twilio API. Hosted on AWS.

Hands Dance, *PennApps 2014*: <http://pinkpony.github.io/HandsDance/>

Worked in a group of four to create a music rhythm game for the spring 2014 PennApps.

LeapMotion Controller and Java AWT/Swing.

KPDownloader, *Personal Project*: <https://github.com/gabeochoa/KPD>

Created a program to download pictures, GIFs and webm files from Reddit.

Python, Imgur, Gyfcat and Reddit APIs

ACTIVITIES

ACM Projects Division **President and Lead Project Manager**

2012 – Present

Computers Robotics and Engineering Special Interest Housing (CoRE) **President**

2014 – Present

Society of Hispanic Professional Engineers (SHPE)

2012 – Present

Association of Computing Machinery (ACM)

2012 – Present