Gabriel Ochoa

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Open to living in New York City and the Bay Area   Phone: 914 - 483 - 8190

EDUCATION

Binghamton University, Watson School of Engineering and Applied Science   Binghamton, NY
Bachelor of Science in Computer Science and Mathematics GPA: 3.1/4, Major: 3.3/4   *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 full length film down to 5 minutes using analysis of 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

Computers Robotics and Engineering Special Interest Housing (CoRE) **President**   2014 – Present
Society of Hispanic Professional Engineers (SHPE)   2012 – Present
ACM Projects Division **President and Lead Project Manager**   2012 – Present
Association of Computing Machinery (ACM)   2012 – Present