

Gabriel Ochoa

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Education

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, L^AT_EX

Human Languages: English (Native), Korean(Elem.), Spanish(Elem.), Mandarin Chinese (Beginner)

Professional Experience

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

Binghamton University

VESTAL, NY

Course Assistant CS140 - Programming with Objects

Fall 2013 & Spr 2014

- Assisted 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

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