# Carlos Gonzales

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## EDUCATION

### UNIVERSITY OF MARYLAND

Honors College Student
Cum. GPA: 3.22 / 4.0

**BS in Computer Science**
Expected May 2018 | College Park, MD
College of Computer, Math, and Natural Sciences
Major GPA: N/A / 4.0

**BA in Economics**
Expected May 2018 | College Park, MD
College of Behavioral and Social Sciences
Major GPA: N/A / 4.0

### POOLESVILLE HIGH SCHOOL

Science, Math, and Computer Science Magnet Program
Grad. May 2014| Poolesville, MD
Graduated with Magnet, Research, and Community Service Honors

## LINKS

Github:// **cnexus**
LinkedIn:// **carlosgonzales1**
StackOverFlow:// **user999999999**
XDA-Developers:// **CNexus**

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures
Object Oriented Programming
Unix Tools and Scripting
Game Theory and Cryptology
Nanotechnology
Statistics

## SKILLS

### PROGRAMMING

Completed projects:
Java • Shell • PHP • HTML
CSS • **Dalvik bytecode** • Android
Used in projects:
C • C++ • Assembly • Hex Editing
Familiar:
AS3 • iOS • JavaScript • SQL • Haskell • TrueBASIC

## EXPERIENCE

### ADOBE | Student Representative

Expected June 2014 – Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.
- Led and shipped Yoda - the admin interface for the new Phoenix platform.
- Full-stack developer - Wrote and reviewed code for JS using Backbone, Jade, Stylus and Require and Scala using Play

### NATIONAL INSTITUTES OF HEALTH | Bioinformatics Intern

June 2013 – Aug 2013 | Bethesda, MD

- Created and programmed several scripts in Bash and Java to facilitate data processing with the MISO (Mixture-of-Isoforms) statistical analysis framework.
- Verified a conclusion reached by the Taliaferro research group using data collected independent of the Taliaferro group.
- Resultant work is now used to build upon the Taliaferro results regarding the AGO2 and alternative splicing associations proven to be valid.

## PROJECTS

### ANDROID FIRMWARE DEVELOPMENT | Smali

May 2012 – Present

Worked on creating, distributing, and customizing optimized firmware for a variety of Samsung devices and also the HTC Evo Shift 4G. Modifications ranged from reverse engineering code to allow for coloring of system-wide components and expansion of built-in system functionality to enabling hidden settings, backporting features from newer devices, and optimizing system ram usage through disabling unnecessary firmware components ("trimming bloat"). Also distributed stock kernels optimized for performance.

### SCAVENGER HUNT APP | Android

Oct. 2014 | Cambridge, MA

Worked with two other University of Maryland students at HackMIT on an Android application that allowed users to streamline the creation and distribution of real-time, dynamic, and creative scavenger hunts.

### SUBSTITUTE SCHEDULING SOFTWARE | Java

Jan 2012 – May 2012 | Poolesville, MD

Led the development of **SubScape**, a substitute schedule solution. Software was to 1) optimize costs (minimize hiring), 2) linearize substitite schedules, 3) provide a way to manage different set of teacher schedules, and 4) allow exporting to Excel.

## AWARDS AND SOCIETIES

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|---|---|---|
| 2014 | 2nd/70+ | HackNC Hackathon Competition (BrailleWriter) |
| 2014 | Regional | Maryland Club Soccer Team |
| 2013 | National | College Board Hispanic Recognition AP Scholar Award |
| 2013 | National | College Board Hispanic Recognition Award |
| 2013 | 2nd/National | AbilityOne Design Challenge - Outstanding Assistive Technology Des |
| 2013 | National | Mu Alpha Theta Honor Society |
| 2013 | National | Spanish Honor Society |
| 2013 | National | Rho Kappa Society |