

Carlos Gonzales

<http://url.here>
my.email@domain | 123.456.7890

EDUCATION

UNIVERSITY OF MARYLAND

B.S. IN COMPUTER SCIENCE

B.A. IN ECONOMICS

Cum. GPA: 4.0 / 4.0

Honors College Scholar

Expected May 2018 | College Park, MD

POOLESVILLE HIGH SCHOOL

SCIENCE, MATH, AND COMPUTER

SCIENCE MAGNET PROGRAM

Cum. GPA: 3.87 / 4.0

Grad. May 2014 | Poolesville, MD

Graduated with Magnet, Research, and
Community Service Honors

LINKS

Github:// [cnexus](#)

LinkedIn:// [carlosgonzales1](#)

StackOverflow:// [cnexus](#)

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 • Android • Shell • Dalvik bytecode

Used in projects:

C • C++ • Assembly • Hex Editing

Familiar:

SQL • LISP • Scala

TOOLS

Fireworks • Flash • Dreamweaver

UNIX • gradle • git • vim

Android Studio • Eclipse

EXPERIENCE

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

BRILLEWRITER | HARDWARE

HackNC 2014 | Chapel Hill, NC

- Built a text-to-braille interface using an Arduino and servo motors.
- Awarded 2nd place overall at HackNC.

ANDROID FIRMWARE DEVELOPMENT | REVERSE ENGINEERING

May 2012 – Present

- Reverse engineered code to allow for coloring of system-wide components, as well as backporting features from newer devices.

SCAVENGER HUNT APP | ANDROID

Oct. 2014 | Cambridge, MA

- Developed an app designed to streamline the creation and distribution of real-time, dynamic, and creative scavenger hunts.

MOARCROPPER | ANDROID

Aug. 2014 | Germantown, MD

- Built a simple app using the android-crop library to aid in cropping notification pulldown and statusbar backgrounds for users of the MOAR custom rom.

SENSE 5 PORT | REVERSE ENGINEERING

June 2013 | Germantown, MD

- Ported the Sense 5 OS from the HTC One to the Qualcomm Samsung Galaxy S3 family using a combination of apk disassembling, hex editing, and kernel modifications. See the original XDA-Developers thread for more info.

SUBSTITUTE SCHEDULING SOFTWARE | JAVA

Jan 2012 – May 2012 | Poolesville, MD

- Led the development of the fully self-contained and user-friendly **SubScape** software to optimize the process of and scheduling for school substitutes.

AWARDS AND SOCIETIES

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