

Nicky David Semenza

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Education

The Harker School, San Jose CA,

Class of 2014

Relevant coursework:

- AP Computer Science with Data Structures, AP Calculus AB, AP Calculus BC and Multivariate, AP Statistics, Discrete Mathematics, Electronics, Graphic Arts, Video and Motion Graphics, Post-AP Advanced Topics in Computer Science: Programming Languages, Computer Architecture (*Spring 2014*) and iOS Programming (*Spring 2014*)

Experience

Videographer for Office of Communications

The Harker School, San Jose CA,

June 2013- present

- Filmed and edited summer camp promotional videos along with occasional work during the school year

Freelance Photographer & Videographer

August 2013- present

- Photographed and filmed various events such as sports, parties, and portraits

Software Engineering Intern

Endorse, San Mateo CA

June 2012- January 2013

- Developed and employed testing plans for iOS and Android testing/debugging across a variety of android devices
- Wrote Python-based scrapers to extract UPC codes from retailer websites to build a custom reverse-lookup system
- Contributed various changes and features to the codebase for optical character recognition (OCR) pipeline, including optimization of logo detection

Team Member in charge of Mechanical and Promotional Media

Harker Robotics Team 1072

2011-2014

- Maintain team's website
- Member of mechanical build team for robots
- Part of small core team that built working CNC machine for tooling custom robot parts
- Collaborated to create a web app used to manage team attendance, task delegation, and to submit purchase authorization requests for faculty to approve (for buying items for the robot)
- Produced promotional videos for the team as well as internal training videos to give overview of various tools

Projects & Extra Curricular Activities

- Member of Tech Club: Created a web-based instant-runoff style voting system which is used by Harker for student government elections (PHP/ MySQL) (*2011- present*)
- Technical Theater (*2008-Present*)
 - Winner of *San Jose Top Honors* award in sound design for school's production of *Oklahoma* (*2013*)
 - Crew member for all Harker theatrical productions; worked both as a stage manager and stagehand; designed and operated lighting and sound
- Created a web-based portal where students with assigned parking at Harker can easily lease their spots to students who do not have a space on campus. (*2011-2012*)
- Created a website for AP Economics classes to simulate the politics behind the 2012 presidential election by trading virtual "shares" of the candidates throughout their campaign. (*2012*)
- Developed plugins for popular online Minecraft server (*2011-present*)
- Electronics hobbyist; previous projects include SMS-based garage door opener (raspberry pi/arduino); co-founder of defunct Nerds Like Us Electronics (*2011*)
- Mac Tips and Tricks blog (*2009-2012*)
- Website design for defunct startup, BookTradr (*2013*)

Technologies

- LEMP stack, HTML/CSS, Python, Unix CLI & Shell Scripting, Java, C++, Objective-C
- Technologies such as Git and Mercurial Version Control systems
- High level of OSX knowledge, Windows experience
- Experience working with Adobe After Effects/Premiere Pro on visual effects and editing