

Nicky Semenza

software engineer

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Education

Purdue University

B.S. in Computer Science
May 2018
West Lafayette, IN

The Harker School

May 2014
San Jose, CA

Languages & Tools

Proficient:

PHP, Python, Laravel, Flask,
Bootstrap, HTML, CSS

Skilled:

Java, C, C++, MySQL, Redis,
Angularjs, git

Creative tools:

Lightroom, Premiere Pro,
After Effects, Photoshop,
Illustrator, Sketch

Hackathon Projects

MHacks | Fall '14

Facevid - Face swapping on
live video

Python • OpenCV

BoilerMake | Fall '14

Picspace - Location based
collaborative drawing

Firebase • Laravel

PennApps | Spring '15

Taskr - Local marketplace
for college students

Mongo • Angular • Express

HackIllinois | Spring '15

QRblast - transferring
data via QR codes

Android • Python

Links

github - nickysemenza

web - nickysemenza.com

linkedin - nickysemenza

twitter - @nickysemenza

photos - nicky.photos

Experience

Software Engineer - Parachute.co

Oct 2014 - Present

- Wrote a PHP-powered backend with API from the ground up to support mobile apps & web
 - Created a consumer facing frontend as well as administration panels
- Tech Stack: Laravel, Angularjs, Ionic framework

Software Engineer - Indiana State Chemist

Sept 2014 - May 2015

West Lafayette, IN

- Contributed to the development of a full-stack CMS for both internal agricultural testing workflows and public record lookup.
- Developed a JS-powered based single page application coupled with a PHP powered backend

Photographer - Purdue Exponent

Sept 2014 - Present

West Lafayette, IN

- Photography of sports games, performances, and campus events for online and printed media
- Production of video pieces to accompany articles

Software Engineering Intern - Endorse

June 2012 - Feb 2013

San Mateo, CA

- Developed and executed testing plans for iOS and Android, including debugging across a variety of hardware 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 OpenCV based OCR pipeline, including logo detection

Leadership

BoilerMake Exec Board - Purdue's Hackathon

Apr 2015 - Present

- Worked with a group of 20 students to organize and run a collegiate hackathon with ~600 students in attendance
- Built an applicant review system using ruby on rails

Teaching Assistant - Purdue CS 190

Aug 2015 - Present

- TA for lab sections of CS Tools course, which helps students learn the basics of shells, version control, as well as providing helpful productivity tips and tricks
- Contributed to the open source curriculum for the course

Projects

Purdue Food Ratings

Aug 2014 - Feb 2015

- Web application for Purdue students to browse food court menus and leave reviews on entrees.
- Tools used: PHP, Laravel, Purdue Menus API, Facebook API

Spotify Tags

Aug 2014 - March 2015

- Web tool for users to easily manage the categorization of their spotify library across playlists.
- Tools used: PHP, Laravel, Spotify API

Book Tradr

May 2013- Sept 2013

- Online marketplace for students to buy and sell textbooks
- Tools used: PHP, Amazon Product API