

# Nicky Semenza

backend developer

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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

## Hackathons

### 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