

# Nicholas (Nicky) Semenza

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## Education

**Purdue University - West Lafayette, IN**

May 2018

Bachelor of Science in Computer Science

**The Harker School - San Jose, CA**

May 2014

## Languages and Tools

*Proficient:*

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

*Skilled:*

Java, C, SQL, JQuery, nginx, Javascript

*Creative tools:*

Adobe Premiere Pro, Adobe After Effects, Photoshop, Final Cut Pro

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## Experience

Software Engineer

September 2014 - Present

**Indiana Office of State Chemist - West Lafayette, IN**

- Contributing to the development of a full-stack CMS for both internal agricultural testing form workflows and public record lookup.
- Developing on jQuery based single page application coupled with a PHP powered backend
- Working with large SQL records across multiple tables

Videographer and Photographer

June 2013 - August 2014

**Purdue Exponent - West Lafayette, IN**

- Photography of sports games, events and features for online and printed newspaper
- Video production and journalistic photography

Software Engineering Intern

June 2012 - February 2013

**Endorse Corp - 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 optimization of logo detection
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## Projects

*current projects available at [github.com/nickysemenza](https://github.com/nickysemenza)*

**Purdue Food Ratings ([purduefood.com](http://purduefood.com))**

August 2014 - Present

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

**Spotify Tags ([spotifytags.com](http://spotifytags.com))**

August 2014 - Present

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

**Book Tradr ([booktradr.com](http://booktradr.com))**

May 2013- September 2013

- Online marketplace for students to buy and sell textbooks from one another.
  - *Tools used:* PHP, Amazon Product API
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## Leadership

**FIRST Robotics**

2011 - 2014

- Led a group of members in developing a variety of internal software tools, such as a purchase management system.

**Tech Theater**

2011 - 2014

- Worked as a stage manager on plays and musicals managing crew and performers, scheduling and running rehearsals, and assisting the director.