

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

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

September 2014 - Present

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

Purdue Food Ratings (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)

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)

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.