

# Nicholas (Nicky) Semenza

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## Education

**Purdue University - West Lafayette, IN**

May 2018

Bachelor of Science - Computer Science

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

May 2014

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## Languages and Tools

**Proficient:** PHP, Python, Laravel, Flask, Bootstrap, HTML, CSS

**Skilled:** Java, C, SQL, nginx, Angular.js

**Creative tools:** Adobe Premiere Pro, Adobe After Effects, Photoshop, Illustrator, Sketch

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## Experience

**Software Engineer - CourseLoads**

Oct 2014 - Present

- Wrote PHP-powered backend from the ground up to support mobile apps & web
- Created a JS-powered consumer facing frontend as well as administration panels

*Tech Stack: Laravel, Angular.js, AWS*

**Software Engineer - Indiana Office of State Chemist**

Sept 2014 - May 2015

West Lafayette, IN

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

**Videographer and 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 optimization of logo detection
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## Projects

*latest work available at [github.com/nickysemenza](https://github.com/nickysemenza)*

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

Aug 2014 - Feb 2015

- 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))**

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

May 2013- Sept 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 students in developing a variety of internal software tools, such as a purchase management system
- Collaborated on the design and fabrication of a 100-lb robot that competed at the national level

**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