Nicky Semenza
full-stack software engineer

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Education

PURDUE UNIVERSITY
BS in Computer Science
Conc. in Software Engineering
Expected May 2018
West Lafayette, IN

The Harker School
May 2014 | San Jose, CA

Coursework

Data Mining
Machine Learning
Web Search Management
Information Retreival
Operating Systems
Software Testing
Systems Programming
Computer Architecutre

Skills

Proficient: PHP, JavaScript, Python, React.js, HTML, CSS, Node.js, SQL

Skilled: golang, C, C++, Angular, R

Tools + Infrastructure: git, docker, redis, nginx, AWS

Creative: Sketch, Illustrator, Photoshop

Hackathon Projects

HackIllinois QRBlast - transferring data via QR codes.
Android, Python

PennApps Taskr - Local marketplace for college students.
Mongo, Angular, Express

MHacks Facevid - Face swapping on live video.
Python, OpenCV

BoilerMake Picspace - Location based collaborative drawing.
Firebase, Laravel

Links

github.com/**nickysemenza**
linkedin.com/in/**nickysemenza**
twitter.com/**nickysemenza**
nickysemenza.com
nicky.photos

Experience

SmugMug | Software Engineering Intern
May 2017 – Aug 2017 | Mountain View, CA | React.js, PHP
- Worked on modernizing video playback infrastructure from Flash to HLS Streaming.
- Rewrote many consumer pages in React whilst updating the UI to conform to updated styles.

Parachute.co | Software Engineer
Oct 2014 – Dec 2016 | remote | PHP, Laravel, Angular.js, Ionic
- Developed and deployed a PHP-powered backend API from the ground up to support mobile apps + web.
- Created a consumer facing frontend UI as well as administration tooling.

SmugMug | Software Engineering Intern
May 2016 – Aug 2016 | Mountain View, CA | PHP, YUI, React.js
- Added functionality to the e-commerce portion of customer's SmugMug sites to enable custom phone cases to be sold.
- Worked on migrating the billing system to allow purchasing and fulfillment of SmugMug monthly subscriptions in the customer's native currency.

Indiana State Chemist | Software Engineering Intern
Sept 2014 – May 2015 | West Lafayette, IN | PHP, JavaScript
- Contributed to the development of a full-stack CMS for both internal agricultural testing workflows and public record lookup.
- Developed a javascript powered based single page application coupled with a PHP powered backend.

Endorse | Software Engineering Intern
Jun 2012 - Feb 2013 | San Mateo, CA |
- Designed and executed test plans for mobile devices.
- Wrote Python-based scrapers to extract UPC codes from retailer websites.
- Helped tune the OpenCV based OCR pipeline for grocery receipt scanning.

Leadership + Projects

BoilerMake Hackathon | Event Organizer + Developer
Apr 2015 – Present | github.com/boilermake
- Worked with a group of 20 students to organize an annual hackathon with 500+ students in attendance from around the country and a $200K budget
- Oversaw a development team that built an applicant review system using PHP and React, as well as other internal tooling

Purdue Computer Science | CS190 Teaching Assistant
Aug 2015 - Dec 2015 | Purdue University
- TA for lab sections of CS Tools course, which helps freshman learn the basics of shells, version control, UNIX, etc, as well as providing helpful productivity tips and tricks
- Contributed to the open source curriculum for the course

Recipe Hub | github.com/nickysemenza/food
2017-2018 | golang, React.js, AWS
- Tool that scrapes, analyzes, and displays a user's Facebook Message conversation history.

Antelope | github.com/nickysemenza/antelope
2017 | PHP, laravel, React.js, AWS
- Open source collaborative email inbox for teams.

Spit Cards | github.com/nickysemenza/spit
2017-2018 | Node.js, React.JS, sockets
- Live multi-player implementation of the popular card game 'spit'

Message Analyzer | github.com/nickysemenza/message-analyzer
2017 | Node.JS, React, MongoDB
- Tool that scrapes, analyzes, and displays a user's Facebook Message conversation history.