

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 Retrieval
Operating Systems
Software Testing
Systems Programming
Computer Architecture

SKILLS

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

Skilled: goLang, C, C++, Angular,
R, django

Tools + Infra: 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.