

Sid Narayan

SOFTWARE ENGINEER

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Education

UCLA (University of California Los Angeles)

Los Angeles, California

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Sept. 2013 - Dec. 2018 (Expected)

- GPA: 3.8 / 4.0

Experience

Illumio

Sunnyvale, California

SOFTWARE ENGINEERING INTERN, PRODUCTION ENGINEERING TEAM

Jun. 2016 - Sept. 2016

- Designed and implemented MODOK, a system for managing, analyzing, and executing all production tests.
- Built a practical and efficient RESTful API for production engineers to use during test development and execution.
- Provided SAML authentication by integrating with OneLogin, ensuring secure access for production team members.

Intel

Hillsboro, Oregon

SOFTWARE ENGINEERING INTERN, NETWORKING PLATFORM LAB

Jun. 2015 - Oct. 2015

- Contributed to the development of core components of a 4G LTE cellular network using C++
- Identified and optimized a bottleneck that involved flushing to standard out, resulting in an application speedup of 200% (confirmed with the UNIX time utility).
- Utilized Python and Django to quickly collect and analyze gigabytes of server data logs and display the statistics on a web server.

Skills

Programming (Proficient)	Java, C, C++11, Python
Programming (Familiar)	Bash, Javascript, Ruby, Scala
Libraries/Platforms	AWS, JUnit, Rails, React Native
Markup/templating	HTML, CSS, Latex, Markdown
Data/Databases	SQL, Amazon Redshift, PandaS

Projects

Connoisseur (Startup)

iOS, REACT NATIVE, MOBILE, FULL STACK

- Built an iOS application using the React Native framework which provides restaurant suggestions based on a Netflix-like recommendation algorithm
- Overhauled the front-end interface to provide a robust visual design and improve usability and functionality
- Migrated from Node.js to a Java Spring Boot back-end infrastructure, resulting in fewer and more efficient API calls

Expedia Big Data Analysis

PYTHON, PANDAS, NUMPY, JAVASCRIPT, D3.JS

- Analyzed a large (multiple TB) Expedia dataset using Python and used the results to develop a marketing strategy to improve customer conversion
- Developed a visualization to demonstrate and showcase the data to a panel of judges using Javascript and D3
- Finalist project at DataFest 2017

Fractal Generator

C++, LIBPNG, OMP, MULTI-THREADING

- Built a multithreaded program which rendered images of Mandelbrot and Buddhabrot fractals using C++ and libpng
- Won a competition hosted by UCLA IEEE for being the best overall fractal generator