

# 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.
- Provided SAML authentication by integrating with OneLogin, ensuring secure access for production team members.
- Created a Google Chrome extension which tracked each developer's story points in JIRA during a company hackathon.

### 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

<b>Programming (Proficient)</b>	Java, C, C++11, Python
<b>Programming (Familiar)</b>	Bash, Javascript, Ruby, Scala
<b>Libraries/Platforms</b>	AWS, JUnit, Rails, React Native
<b>Markup/Templating</b>	HTML, CSS, Latex, Markdown
<b>Data/Databases</b>	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