

SnehaRampalli

contact

19 Rocky Hill Road
Princeton, NJ 08540
(732)421-8929
sneharam@seas.upenn.edu

languages

English (fluent),
Spanish (intermediate),
Telugu (mother
tongue)

programming

♥ Java, HTML/CSS,
Python, JavaScript, Git,
SQL \LaTeX |
Frameworks/Libraries:
Bootstrap, JQuery,
React, Express |
Databases: MongoDB
Familiar: OCaml

software

Solidworks |
Familiar: Tableau

links

Personal Website
GitHub
LinkedIn

coursework

Discrete Mathematics
(CIS 160)
Data Structures and
Algorithms (CIS 121,
CIS 320)
Introduction to
Computer Systems
(CIS 240)
Automata,
Computability, and
Complexity (CIS 262)
JavaScript (CIS 197)
Software Systems
(CIS 350), Probability
(STAT 430), Operating
Systems (CIS 380)

experience

Summer 2018 | **GOOGLE INC.**

Mountain View, CA

Engineering Practicum Intern

- Working on the Google Maps team, created a training dataset for intersection detection, using earth imagery at 50 cm resolution, for a machine learning model whose goal is to be able to map from real world space to image space.
- Produced training labels, including image intersection coordinates as well as degrees for each of the intersections.
- Once the model is trained, will use the intersection detection for road alignment and refinement of road networks built from synthesized road geometries.
- Attended technical and leadership workshops at my team's Seattle Summit and GWE (Google Women Engineers) Summit

Summer 2017 | **JOHNSON & JOHNSON: JANSSEN**

Titusville, NJ

Summer IT Pharma Field Productivity and Collaboration Intern

- Developed Python script and SQL code written on Aginity Workbench to automate tasks to transfer data from Oracle to Amazon's Redshift (saved more than 75% of time with automation).
- Used 2017 Pharmaceutical Sales Data and Tableau to create 4 visualizations to compare how J&J and Non-J&J brands and created this webpage with sales data insights that drive business decisions (password protected: tableaujn123).
- Technology and Communications Chair for the Intern & Co-Op Association at the Titusville office; I hard-coded this website and am responsible for its maintenance as well as making flyers and communicating with our members about upcoming events.

education

2016–2020 **BSE** in Computer Science [3.61]

University of Pennsylvania

2012–2016 **High Honor Roll** Student [4.59]

South Brunswick High School

awards & projects

Summer 2017 | **WiCS at Penn Directory**

Penn WiCS

Built this site (<https://github.com/sneharampalli/wics-directory>) that allows incoming freshmen women in computer science to have a directory of current Penn women in computer science to have contacts to upperclassmen, network, and feel more comfortable coming in to the school.

Front-end: HTML/CSS, JavaScript, JQuery, Bootstrap, **Back-end:** Node.js, MongoDB

2015–2016 **Lemelson-MIT InvenTeam Grant**

| Lemelson-MIT Foundation

Received a \$4,500 grant to build the prototype and present it at the 2015 MIT Eureka Fest • **Project proposal:** a device to alert drivers of oncoming bicyclists on the passenger side of the car to reduce injuries caused by collisions with the opening car door.

extracurricular activities

Professional: **The Daily Pennsylvanian** (January 2018) - Web developer; worked on scraping data from the web about ivy league breaks to compare the stark differences in time off for each school, **TechIt-Out Philly** (August 2017) - 8-week program in which our team assists middle school and high school students in West Philadelphia to learn web development, **WiCS Mentorship Committee** (August 2017) - Matches freshmen and sophomore women with an older woman also studying CS, helping the mentee with class selection, internship searches, moral support, academic advice, and generally becomes a much-needed, loving guide to achieving success as a woman in CS. **Personal:** **Atma** (September 2016 - NOW) - Lead and Background Singer of South-Asian Female Acapella Group.