

# SnehaRampalli

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## contact

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

## languages

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

## programming

♥ Java, HTML/CSS,  
Python, JavaScript, Git,  
SQL,  $\text{\LaTeX}$  |  
Frameworks/Libraries:  
Bootstrap, JQuery,  
AngularJS  
Familiar: OCaml

## software

Solidworks |  
Familiar: Tableau

## links

Personal Website  
GitHub  
LinkedIn

## coursework

Programming in Java &  
OCaml (CIS 120)  
Discrete Mathematics  
(CIS 160)  
Multivariable Calculus  
(MATH 114)  
Data Structures and  
Algorithms (CIS 121)  
Differential Equations  
and Linear Algebra  
(MATH 240)  
Introduction to  
Mechanical Design  
(MEAM 101)  
Introduction to  
Computer Systems  
(CIS 240)  
Automata,  
Computability, and  
Complexity (CIS 262)  
Networked Life  
(NETS 112).

## experience

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

Titusville, NJ

*Summer IT Pharma Field Productivity and Collaboration Intern*

- Develop Python scripts and writing code to fire MySQL commands written on Aginity Workbench to transfer data from Oracle to Amazon's Redshift as well as use Tableau to visualize the data.
- Maintain the Internal Product-Line Owner Field Productivity & Learning SharePoint site and manage content migration.
- 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.

2017–NOW

| **WHARTON BUSINESS RADIO SIRIUS XM**

Philadelphia, PA

*Production Assistant*

Wharton's business radio; assist the production of a three live weekly programs: "Your Money," "Marketing Matters," and "In The Workplace"; responsible for growing a loyal listenership to get in contact with a multitude of leaders in around the world to speak at our radio.

## education

2016–2020 **BSE** in Computer Science [3.51]

University of Pennsylvania

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

South Brunswick High School

## other qualifications

2015 - 2016 | **New Jersey Governor's STEM Scholars**

*Researcher and Web Developer*

- A website and mobile application that allows victims of crimes to quickly sketch a criminal using advanced neural network technologies to catch criminals, solve crimes, and keep communities safe  
[www.github.com/sneharampalli/CrimeSketchImpl](http://www.github.com/sneharampalli/CrimeSketchImpl)

Summer 2015 | **Researcher**

NJ's Governor's School of Engineering & Technology at Rutgers University

Learned Android app development and modern physics and wrote final Paper for Smart Home Innovation (water conservation in home showers)

- Learned and worked with Raspberry Pi software and Python language • Research of multiple sensors to find one that most precisely detects motion away from the shower head. • Filed and received provisional patent for project.

## awards & projects

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.

Summer 2017 | **WiCS@Penn Directory**

Penn WiCS

Building **this website** 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

## extracurricular activities

**Professional: TechItOut Philly** (August 2017) - 8-week program in which our team assists middle school and high school students in West Philadelphia to learn web development, **PennApps Sponsorship** (August 2017) - Responsible for reaching out to sponsors and establishing strong relationships with them to fund the entire hackathon, **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.