Sneha**Rampalli**

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

programming
♥ Java, HTML/CSS, Python, JavaScript, Git, SQL 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).
JavaScript (CIS 197).

experience

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: tableaujnj123).
• 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".

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

Summer 2015 | Researcher — NJ's Governor's School of Engineering & Technology at Rutger's 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.