NAINA RAO

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Self-motivated student dedicated to obtaining experience and education needed to improve the medical and healthcare fields by utilizing the potential of modern technology.

Education

Johns Hopkins University   Baltimore, MD | May 2018
Bachelor of Science in Computer Science; Minor in Computational Medicine

- Related coursework: Medical Informatics, Intermediate Programming, Data Structures and Algorithms, Discrete Mathematics, Physics I/II, Automata and Computation Theory, Neuroscience, Financial Accounting, Linear Algebra, Organic Chemistry I/II
- Dean's List – Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016
- Cumulative GPA – 3.93

Technology Skills: Java, C, C++, Swift, Objective C, Python, UNIX, MATLAB, HTML5, Adobe Photoshop

Work Experience

Department of Plastic Surgery at JHMI | *Shadow Intern*   Baltimore, MD | Aug 2016 – Jan 2017

- Created brain penetrating nanoparticle using different formulations using different combinations of plasmid DNA and PBAE polymers to measure total gene expression in rodent brains through western blot analysis.
- Maintained MATLAB image analysis program used to evaluate transfection efficiency from microscopy results.

Spree | *CTO & Co-Founder*   Philadelphia, PA | Feb 2015 - Present
Spree is a mobile app startup that seeks to revolutionize retailing by leveraging social networks to connect products to the right buyers

- Responsible for designing and developing the Spree mobile app including technology architecture and design.
- Completed all graphic design tasks including wireframes and logo.

Mount Sinai School of Medicine | *Research Intern*   New York, NY | May 2015 – Present

- Modified and updated QUIS survey for use in evaluating assess users' subjective satisfaction with specific aspects of the human-computer interface regarding health information systems and mobile systems.
- The project involved validating the modified scales, along with using the scales in pilot studies with different healthcare IT applications and systems.

Allergy and Asthma Treatment Center | *Intern*   Plano, TX | May 2012 – Aug 2014
Allergy and Autism specialization clinic

- Shadowed head doctor at a thriving practice and observed patient visits, minor procedures and workflow.
- Obtained patient history and performed initial patient evaluations in preparation to see doctor.

Compellink | *Product Manager*   Dallas, TX | May 2012 – Aug 2014
Compellink provides a cloud based social business platform for organizations to collaborate with other organizations.

- Worked on product definition and design, definition of use cases and value propositions.
- Joint owner of US patent Serial No. 14/970,238: *"System and Method for Linking Networks to One Another and Sharing Resources between Members"*

AT&T | *Instructor, Android Programming*   Dallas, TX | May 2013 – Aug 2014

- Taught over 220 high school and college students Android programming in AT&T's mobile application workshops
- Redesigned workshop curriculum to appeal to more students, created lesson plans and developed training material
- Invited to the University of Texas at Dallas to conduct a class on campus

Leadership & Community Engagement

Girl Scouts of America | *Ambassador and Gold Award Recipient*   Dallas, TX | Aug 2014

- The Gold Award is the highest achievement within Girl Scouts
- Project addressed the issues of vitamin deficiency, healthy living and vitamin importance in low income families

National Speech and Debate Association | *Debate Team Captain*   Plano, TX | Aug 2014 – May 2014

- Ranked in the top five debaters in Texas.
- Undefeated at the University of Texas Invitational Tournament.