REBECCA RAMNAUTH

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OBJECTIVE

I am seeking an opportunity in which I am able to utilize my computer science knowledge and the discipline and focus that I bring to my work. I am committed to developing my career path as a Software Engineer.

LANGUAGES & SCRIPTS

Language	Level	Language	Level	Certification
SQL	● ● ● ● ○ (Learning)	Scheme	● ● ● ● ○	Autodesk Certified User Inventor (2014)
Perl	● ● ○ ● ○ (Learning)	Java	● ● ● ● ●	Oracle SQL Database Expert – Exam #1Z0-047 (Expected June 2017)
JavaScript	● ● ● ● ○	CSS	● ● ● ● ○	
Python	● ● ● ● ●	HTML5	● ● ● ● ○	Oracle Database PL/SQL Developer Certified
Lisp	● ● ● ● ○	AutoCAD	● ● ● ● ●	Associate – Exam #1Z0-147 (Expected June 2017)

EDUCATION

BROOKLYN TECHNICAL HIGH SCHOOL (BTHS)   **New York, NY**
Software Engineering Major; G.P.A. 4.00/4.00 (Not Weighted)   **June 2017**

- **Advanced Courses:** Database Design in Oracle & Development in SQL, AP Computer Science Principles, AP Computer Science - Java, Design and Drafting for Production (PLTW), Digital Electronics (PLTW), AP Capstone Seminar, AP Capstone Research, AP Calculus BC, Web Development, AP English Language and Composition, AP Macro & Micro Economics, Participation in Government, AP Psychology, AP World History, AP Statistics
- **National Honors**: National Honor Society (Assistant Coordinator), National BETA Society (Chairperson and Public Relations Representative), Tri-M Music Honor Society (Media Coordinator), National Society of High School Scholars (National Ambassador)
- **School-Related Activities:** Advanced and Intermediate Orchestras (Violinist & Cellist), FIRST Robotics Competition Team #334 (Programmer and Mechanical Engineer), Assistant for BTHS Guidance Department, BTHS Math Team, Ruby Engineers, Assistant Coordinator and School Chairperson for the NYC Special Olympics, Teacher for Girls Who Code

EXPERIENCE

CONSOLIDATED EDISON SYSTEMS ADMIN FOR COMPLIANCE DEPT.   **November 2016–Present**
System Administrator and Analyst for the Business Ethics and Compliance Department

- Responsible for the upkeep, configuration, and reliable operation of multi-user computers
- Maintaining reliable and efficient operation of the corporate-wide Governance, Risk Management and Compliance IT Solution

CONSOLIDATED EDISON ENGINEER FOR LEGAL TECH & INFO GOVERNANCE DEPT.   **June 2016–November 2016**
System Analyst and Developer for a corporate-wide GRC Solution

- Drafted process and workflow documentations defining the current and future compliance processes in Con Edison
- Developed the workflows of current and future compliance procedures, and functional and business requirements for the implementation of the GRC IT Solution while working alongside core team members, compliance personnel, and internal IT team
- Analyzed, manipulated, automated, and configured potential data for the GRC Solution

AOL–STUDYPEA STARTUP COMPANY   **2015–Present**
Coded both invention and website of, and designed and printed the 3D model of StudyPea, an interactive hardware operating on the AWS Internet of Things platform that allows users to control the lighting and music of their environment to increase productivity

- Founded and pitched idea and prototype at the Twitter Headquarters to computer science professionals
- Prototype and product development is sponsored by AOL with mentoring from AOL, Ringly, MakerBot 3D Design, and Verizon

ENGINEERING MENTORING   **New York, NY**
Committee advisor for the National Honor Society Tutoring & Mentoring Division (270+ hours)   **September 2014 – Present**

- Independently taught and mentored in the skills of Digital Electronics, Design and Drafting for Production, and various fields of Mathematics to twenty four students, ranging from 9th to 12th grade, on a weekly basis; resulting in their 5% to 20% increase in specified course grades.

CONTINUING EDUCATION

CONSOLIDATED EDISON COMPANY OF NEW YORK   **New York, NY**
Mentorship under Dr. Anandi Singh and Rivkah Derman   **July 2016–Present**

- Studying the advantages and disadvantages of various project management approaches (e.g., Agile, Rational Unified Process, PRINCE2, ISO/1EC15504's SPICE and Extreme Project Management)
- Am the principal investigator of research on a software risk prediction method for enterprise management applications for the GRC model based on security metrics

GIRLS WHO CODE   **New York, NY**
Participated in advanced summer immersion program and school community   **July 2015–Present**

- Studied in JavaScript, Python, HTML5, Digital Electronics, Graphic Design, Robotics, and Data Structures.
- Participant in the committee council for Girls Who Code at Brooklyn Technical High School

MICROSOFT   **New York, NY**
Studied data searching and sorting algorithms   **August 2015**

- Taught a class of 20 persons the stability, time and space complexities of numerous sorting algorithms through O notations
- Performed detailed analysis of Knuth's MIX language, JavaScript, and Java time and space complexities of program execution
- Analyzed the practical applications of and learned functional (Scheme) and imperative (JavaScript) programming

AWARDS & RECOGNITIONS

NATIONAL ACADEMY OF FUTURE SCIENTISTS AND TECHNOLOGISTS AWARD OF EXCELLENCE AWARD   **2015–16**
Recipient due to outstanding academic achievement and leadership, and nomination by Buzz Aldrin, Colonel, NASA Astronaut.

CONGRESSIONAL APP CHALLENGE WINNER   **2016**

- Pitched startup business plan and developed a mobile application to countless leaders in the technology and political worlds
- Independently learned evidently successful skills in entrepreneurship, mobile app development, video design, and advertising

- Built MIA, a mobile application that connects to external GPS wearable tech. such as earrings and bracelets that aims to protect children, elderly, and other loved ones from the rising crime rates

#BUILTBYGIRLS CAMBIO CHALLENGE WINNER   2016
- Invited for an all-paid trip to San Francisco, to present the StudyPea prototype to uncountable leaders in technology including the inventors of the Oculus Rift and the IBM Watson developers

ALUMNI FOUNDATION RECOGNITION AWARD   New York, NY
Brooklyn Technical High School Representative for the Engineering Department   **April 2015 – Present**

- Dedication to annually representing the Design and Drafting for Production department for potential program sponsorship
- Showcasing inventions through the documentation of the Engineering Design Process, the Axiomatic Product Development Lifecycle, and reverse engineering methodologies of the product ideas
- Successfully encouraged sponsorship by Widgeon, S&P Capital IQ, Ocean 7, and Con Edison for the continuation of PLTW programs and the supplying of engineering equipment (e.g. MakerBot 3D Printers, .

TECHCRUNCH DISRUPT   2015, 2016
- Presented the StudyPea prototype and its development timeline to leaders of the tech-industry such as Dennis Crowley, founder of Foursquare, the IBM Watson developers, and numerous CEOs and engineers of start-up companies.
- Worked alongside the IBM Watson team to create a mobile app that translates biases in the news and radio broadcasts into politically correct and neutral statements using sentiment analysis and speech-to-text algorithms

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REFERENCES WILL BE PROVIDED UPON REQUEST