REBECCA RAMNAUTH

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Dedicated **Software Engineer** with +4 years of experience in compliance and legal tech, with emphasis on improving organizational consistency, application convenience, and efficiency
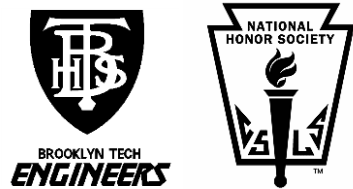
conEdison

Legal Tech & Info Governance
June 2016 - Present

SOFTWARE ANALYST & AUTHORITATIVE SOURCE EXPERT
for a corporate-wide Governance, Risk, & Compliance (GRC) Solution

- Developing a system to oversee change management, operational risk, and compliance transparency
- Providing the industry's first "cradle to grave" solution
- Consolidating workflows of compliance procedures, and functional/business requirements for 64+ departments.
- Engineered intelligent web-scrapers and cross-file translators that expedited data population efforts by 85%

September 2014 – Present

MENTOR FOR ENGINEERING SCIENCES
Instructor for both general and special needs students

- Making software development more intuitive, secure, and fun
- Collecting programming languages, studying next-gen technology, and helping K-12 students understand the fundamentals of computing
- Taught Digital Electronics, Design and Drafting for Production, Theoretical Computer Science, and Statistics to 45 high school students, resulting in a 5% to 20% increase in their specified course grades
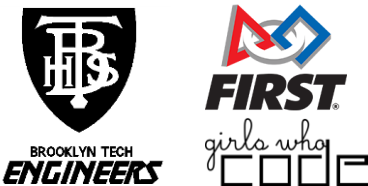
LIU ◈ IEEE

September 2017 – May 2018

LONG ISLAND UNIVERSITY (LIU)
M.Sc. & B.Sc. in Computer Science; GPA: 4.00/4.00

Σ β Δ and Φ Κ Φ Honor Societies; IEEE, LIU-IEEE SMC Society & Computer Society Student Branch, Cybernetics Study Association

September 2013 – June 2017

BROOKLYN TECHNICAL HIGH SCHOOL (BTHS)
Software Engineering Major; GPA: 4.00/4.00

- **Relevant Courses:** AP Computer Science, AP Capstone Research, AP Calculus BC, Web Development, AP Psychology, AP Statistics
- **Honors**: AP Research Exam Perfect Score (2017); National Society of High School Scholars (National Ambassador), National Academy of Future Scientists and Technologists (Delegate; Nominated by Buzz Aldrin, NASA)
- **Activities:** FIRST Robotics Competition Team #334 (Programmer and Mechanical Engineer), Data Analyst Volunteer for BTHS Integrated Co-Teaching Guidance, BTHS Math Team, Teacher/Mentor for BTHS Girls Who Code

conEdison

August 2016 – January 2018

CONSOLIDATED EDISON COMPANY OF NEW YORK
Mentorship under Dr. Anandi Singh

- Assessed various project management approaches (e.g., Agile, Rational Unified Process, PRINCE2, ISO/1EC15504's SPICE and Extreme Project Management)
- Investigated software risk prediction methods for the enterprise-GRC model based on security metrics

June 2015 – August 2015

MICROSOFT – GIRLS WHO CODE (GWC)
Conveyed data searching and sorting algorithms in an intuitive manner

- Instructed 20+ novice computer scientists on the fundamentals of computer science
- Performed detailed analysis numerous sorting algorithms
- Explained formal notational methods for stating the growth of resource needs
- Highlighted aspects of Knuth's MIX language and *The Art of Computer Programming* fundamental algorithms

R/Mathematica	● ● ● ● ● (learning)	HTML/CSS/JS	● ● ● ● ●		Autodesk Certified User Inventor (2014)
Java	● ● ● ● ●	C/C++	● ● ● ● ●		OSHA 510 Certification (2016)
Lisp/Scheme	● ● ● ● ●	SQL/NoSQL	● ● ● ● ●		Oracle PL/SQL Database Expert Exam #1Z0-047 (2017)

● ~ 1 year practicing

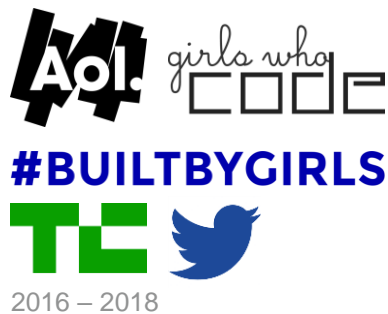
IEEE

NYC Department of Education

2018

IEEE REGION 1 RESEARCH PAPER COMPETITION WINNER
Evaluated on clarity of presentation, depth of knowledge, and impact to field

R. Ramnauth , P. T. Chung, *Statistical Data Mining for a Relationship Between Literacy Skills in Children with Autism Spectrum Disorders*, Technical Report, Department of Technology, Innovation, and Computer Science, Long Island University, Brooklyn Campus, New York, USA, 2018.
Results showing handwriting and reading correlations in children with autism have improved literacy instruction and student performance in Brooklyn public schools

R. Ramnauth , P. T. Chung, *An Expert System for the Screening of Autism Spectrum Disorders*, Technical Report, Department of Technology, Innovation, and Computer Science, Long Island University, Brooklyn Campus, New York, USA, 2017.

AOL GWC #BUILTBYGIRLS CAMBIO CHALLENGE WINNER
Invented an Internet of Things (IoT) productivity tool

- Programmed the invention and developed the 3D model of StudyPea, an interactive IoT device that aims to promote student productivity
- Pitched idea and prototype to venture capitalists at the Twitter HQ, TechCrunch SF, and TechCrunch NYC
- Sponsored by AOL's #BuiltByGirls and GWC with mentoring from AOL, Verizon, Ringly, MakerBot, ShineText, and Spotify

AOL *girls who* **code**

#BUILTBYGIRLS

2016 – 2018

CONGRESSIONAL APP CHALLENGE WINNER
Developed tracking app for the mentally disabled

- Conceived and constructed MIA, a mobile app connecting to external GPS wearable technology for the mentally disabled
- Acquired core competencies in entrepreneurial innovation, mobile app development, video design, and advertising

CONGRESSIONAL App Challenge

2016