Adil Soubki

324 E. 14th Street – 10003 New York – NY

+1 (480) 323 8259 ● ✉ soubkia@gmail.com ● www.AdilSoubki.com

Education

Rensselaer Polytechnic Institute **Troy, NY**
B.S. Mathematics and Physics, Computer Science minor *May 2014*
Concentrations in statistical mechanics and operations research

Relevant Experience

RedShift Technologies **New York City**
Entry Software Engineer *Present*
Program software fulltime with a focus on databasing and web applications. Involved in all aspects of the development lifecycle from design to rollout.

Cryptography and Network Security II **RPI**
Coursework *2014*
Studied modern techniques in cryptography with an active adversarial model. Created a searchable homomorphically encrypted database and skirmished with peers.

Undergraduate Thesis **Troy**
Edge Coloring on Critical Multigraphs *2014*
Explored proofs relating to recent improvements on Shannon's edge coloring bound in multigraphs. Focused on finding general properties for critical multigraphs and providing an interpretation of proofs regarding them.

Rensselaer Polytechnic Institute **Troy**
Research Assistant *2012*
Worked with a research group searching for the cause of the green LED efficiency droop. Performed lab tasks and procedures ranging from fabrication of LEDs to testing and growing.

Involvement

Ground Zero **Troy**
President *2013–2014*
Worked and collaborated with booking manager and PR to plan and promote shows and events weekly for campus student run and funded DIY music venue

Rensselaer Polytechnic Institute **Troy**
Physics TA *2013*
Worked with the professor to plan and set up labs and demonstrations for lecture. Held office hours weekly to help students.

Coursework

Rensselaer Polytechnic Institute **Troy**
Mathematical Statistics *2013*
Focused on deriving the mathematical basis of modern statistics. Modeled and solved for the sampling distribution of a self-chosen scenerio.

Rensselaer Polytechnic Institute **Troy**
Experimental Physics *2012*
Worked in two person lab groups to produce write-ups with graphs and figures in training for publication.

Skills

Programming
C++, C#, Python, SQL: Proficient *Practiced with these doing more involved projects*
C, HTML, CSS, Javascript: Familiar *Have used these for smaller projects*

Miscellaneous
Computation: Maple, PySci, Excel *Familiar with these and a few others*
Retro Electronics: Gameboy, C64, NES *I mod, repair, and otherwise dismember plenty of old electronics*