Adil Soubki | Resume

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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

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**
Supervisor: *Mark K. Goldberg*   *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.

Pintley   **Boston**
Data Geek Intern   *2013*
Performed queries and analysis of Pintley's MySQL database. Worked closely with the companies executives to try to meet their needs.

Rensselaer Polytechnic Institute   **Troy**
Research Assistant   *2012*
Worked under a high efficiency LED research group. Helped graduate students with various lab tasks and procedures. Attended group meetings where problems were discussed and resolved.

Additional Experience

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 with the material.

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**
Exprimental Physics   *2012*
Worked in two person lab groups to produce write-ups with graphs and figures in training for publication.

Skills

Programming

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.*