

Adil Soubki | Resume

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Education

Rensselaer Polytechnic Institute

B.S. Mathematics and Physics, Computer Science minor
Concentrations in statistical mechanics and operations research

Troy, NY

May 2014

Relevant Work

Cryptography and Network Security II

Coursework

RPI

2014

Studied modern techniques in cryptography with an active adversarial model. Created a searchable homomorphically encrypted database and skirmished with peers.

Pintley

Data Geek Intern

Boston

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

Research Assistant

Troy

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

Undergraduate Thesis

Supervisor: *Mark K. Goldberg*

Troy

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

Physics TA

Troy

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.

Ground Zero

President

Troy

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

Coursework

Rensselaer Polytechnic Institute

Experimental Physics

Troy

2012

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

Rensselaer Polytechnic Institute

Mathematical Statistics

Troy

2013

Focused on deriving the mathematical basis of modern statistics. Modeled and solved for the sampling distribution of a self-chosen scenario.

Skills

C++, Python, SQL: Proficient

Practiced with these doing more involved projects

C, HTML, CSS, Javascript: Familiar

Have used these for smaller projects