

Adil Soubki

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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 Experience

RedShift Technologies

Entry Software Engineer

Program software fulltime with a focus on databasing and web applications. Involved in all aspects of the development lifecycle from design to rollout.

New York City

2014–2015

Mathematical Models of Operations Research

Coursework

Covered linear optimization including the simplex method, duality, sensitivity analysis, integer programming techniques, and algorithms for network models.

RPI

2014

Undergraduate Thesis

Edge Coloring on Critical Multigraphs

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.

Troy

2014

Rensselaer Polytechnic Institute

Research Assistant

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.

Troy

2012

Involvement

Ground Zero

President

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

Troy

2013–2014

Rensselaer Polytechnic Institute

Physics TA

Worked with the professor to plan and set up labs and demonstrations for lecture. Held office hours weekly to help students.

Troy

2013

Coursework

Rensselaer Polytechnic Institute

Cryptography and Network Security II

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

Troy

2014

Rensselaer Polytechnic Institute

Theoretical Mechanics

Focused on a mathematically rigorous understanding of classical dynamics. Dealt with everything from Newtonian and Hamiltonian principals to orbital mechanics and Kepler's Laws.

Troy

2013

Skills

C#, ASP.NET, HTML, CSS, Javascript, SQL: Professional

Used these on paid jobs

C/C++, Python: Preferred

My defaults for personal projects

MPI, Ruby, Haskell: Familiar

Have used these for smaller projects

Retro Electronics: Gameboy, C64, NES

I mod, repair, and otherwise dismember plenty of old electronics