

Daniel Gnoutcheff

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Education

- 2007–2012 **Expected: Bachelor of Science**, *Union College*, Schenectady NY, GPA: 3.9.
Major: computer science, *minor*: mathematics
Awards: Converging Technologies (CT) Scholars Program, Dean's list (2007-2008), Presidential Scholarship

Experience

- Summer 2009 **Research Fellowship**, *The Mediancentre Rule for Many Alternatives*, Adviser: William Zwicker, Professor of Mathematics, Union College.
Developed and tested a set of applications that explore the properties of the `MEDIANCENTRE RULE`, a novel voting system with potential applications in artificial intelligence and in future voting research.
- Fall 2008 to Winter 2009 **CT Scholars Project**, *Controlling Head-Parking in Laptop Hard Drives*, Union College.
Developed and tested methods for controlling power-management features in mobile hard drives so as to help address the problem of abnormally low lifetimes.
- Fall 2008 **"The Forklifts"**, *Exploring Engineering Project*, Union College.
Wrote the control program for and made major contributions to the design of a team-built robot. One of 5 award winners out of over 30 competitors.
- Summer 2008 **Research Fellowship**, *Markov Chain Monte Carlo Methods in Percolation*, Adviser: Gary Reich, Professor of Physics, Union College.
Developed programs to evaluate a novel way to use `PERCOLATION THEORY`, a mathematical model that describes a wide variety of phenomena (e.g. the behavior of magnets).
- 2000 to present **Informal consulting**, paid and unpaid.
Repaired/configured computers and trained people how to use them.

Skills

- Experienced with Linux, Java, C, and Unix shell scripting.
- Familiar with Windows, Mac OS, git, i386 assembly, MIPS assembly, C++, IDL, and \LaTeX .

Activities

- Fall 2009 **PC Renew**, *Rockland PC Users Group*, Volunteer.
Charity that collects, repairs, and distributes used computers.
- Fall 2008 to present **UNIX Users of Union**, *Union College*, Co-founder.
Hosts discussions related to GNU/Linux and free/open-source software.
- Fall 2007 to present **Virtual Union**, *Union College*, Active member.
Student club that provides and supports Linux-based computer services.
- 2000 to present **Computer-related hobby projects**.
Installing, troubleshooting, and experimenting with various hardware and free/open-source software.