

Jordan Perr-Sauer

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EDUCATION

The Cooper Union Albert Nerken School of Engineering. New York, NY. 2014 (Expected).
Major: Electrical Engineering, Track: Computer Engineering. Full Scholarship.

- Relevant Courses: Digital Logic Design, Computer Engineering, Data Structures & Algorithms
- Member: ACM, IEEE, Cooper Union ACM ICPC and IEEE/Extreme programming teams.
- Employed by the Electrical Engineering department to setup and maintain an MPI cluster.
- Mentor students in Engineering Design 103 in development for mobile platforms and the web.

Stuyvesant High School New York, NY. 2010

- Relevant Courses: AP Computer Science, Systems Programming, Graphics Programming.
- Director of Programming on Stuyvesant's FIRST FRC robotics team.

RESEARCH EXPERIENCE

REU - Cognitive Science - Indiana University (Summer 2011)

- Worked under Professor Randall Beer and Dr. Eduardo Izquierdo at the Cognitive Science program of Indiana University, Bloomington.
- Evolved CTRNN controlled agents in custom physics simulator to study the locomotion of nematode *C. Elegans*.
- Technologies: C/C++, Xgrid, Python, gnuplot and OpenGL graphics library.

Intel STS, Siemens, NYCSEF (Summer 2009)

- Authored "Observing Integrated Information in Artificially Evolved Neural Networks." 7 Dec. 2009. Semifinalist in NYCSEF competition.
- Contributed to and used the open source Polyworld project for ANN simulation.

INTERNSHIPS

Hunch.com (2009 - 2010)

- Developed a system that crawls websites such as songkick.com to extract upcoming events and rank them based on user taste.
- Created an open source project around API access in Python. (python-webapi)
- Technologies: Google App Engine, Apache (Linux), Python, SQLAlchemy, Javascript Templating, AJAX

FunnyGarbage.com (Summer 2008)

- Created Adobe Flash content for clients such as Colbertnation.com, Girlscouts.org, and PB-Skids.org
- Researched the Adobe FLEX platform for use in FunnyGarbage's future projects.
- Technologies: Adobe Photoshop, Flash, Flex, Flash Builder, ActionScript 3, AJAX

Infoex.com (2007 - 2008)

- Participated in the development of a large-scale Ruby on Rails codebase.
- Designed and implemented a browser based application for viewing stock quotes.
- Technologies: Ruby on Rails, MySQL, Subversion