

JORDAN PERR-SAUER

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DOB 7/15/92

HIGH SCHOOL

- Stuyvesant High School class of 2010. GPA 3.5, SAT 2230

ACADEMIC INTERESTS

•computer science, artificial intelligence, cognitive science, physics, literature and writing, business and economics.

RELEVANT HIGH SCHOOL STUDIES

•AP computer science, AP calculus (Stanford EPGY and In-School), systems level programming, neurobiology
(College level), creative nonfiction writing workshop

SKILLSET AND KNOWLEDGE

- Computer Programming
 - Languages: C, C++, Wiring, Assembly, Java, Processing, Ruby, Python, JavaScript
 - Environments: Mac/Linux/UNIX, AVR style microprocessors (Arduino), PIC-18 microprocessors
 - Frameworks: Ruby on Rails, Django, jQuery, WPILib and National Instruments Image Processing Library
- Computer Systems Administration
 - Familiar with most hardware found on modern day PCs and Macs
 - Mac/Linux servers, have administrated servers in secure data centers
- Artistic and Photography
 - Knowledge in both Digital and Film photography
 - Parson's School of Design summer program in New York
- Philosophic and Literary
 - Expanding recognition and appreciation for western philosophy
 - Creative and Analytic writing skills (from poetry to scientific papers)

SCHOOL CLUBS AND TEAMS

- FIRST Robotics, team 694 (2006-2008) - Stuyvesant High School
2008-2009: President of programming
2006-2008: programmer, web designer, electrical engineer
 - Conceived of and coded the robots for various functions
 - Lead a team of 5 coders
 - Travel to matches, trouble shoot coding issues
 - Responsible for the redesign of the Team 694 website
 - Mentored middle school robotics teams by refereeing at matches
- FIRST Vex Robotics (2006-2008) - Stuyvesant High School
2007-2008: President
 - Lead a team of over 30 members
 - Raised money via book sales, candy selling, and grant applications

-Organized the efforts of our largest and most successful year, completing two full robots for competition

2006-2007: Member, programming specialist, leader

- Trinity Robotics and Electronics (2008-present)

2008-2010: Founder and President

- Designed and built problem-solving robots for international competition
- Organized and lead a team of 20 students and 4 teachers
- Pioneered a new “project oriented” curriculum for educating new members

VOLUNTEERING AND INTERSHIPS (UNPAID)

- INFO-EX (2009), New York, NY

- Intern with the IT group to create a new infrastructure for business information trading
- Lead part of the web infrastructure efforts, Discussed new ideas and directions at board meetings
- Worked primarily with Ruby on Rails, Java, Apache Solr, AJAX Interface, and Linux

- FUNNY GARBAGE (2008-2009), New York, NY

- Intern with interface and backend programmers
- Worked commercially on Girlscouts.org, Colbertnation.com, and flash games for Pbskids.org
- Lead my own project exploring new browser based 3d rendering engines such as Unity3d. Created a robot simulation game to demonstrate its power and test code written for our FRC ROBOTICS team.

- Summer 2005-present: Interpreter for Overlook Mountain hiking group, Woodstock, NY

- Volunteer as a “Fire Tower Steward” on weekends.
- Help maintain the beauty and prestine nature in the Catskill State Park
- Interpret the view for visitors
- Lead group hikes to the fire tower. Ensure safety.

WORK (PAID)

- 2009 Freelance photography: Photos used on two book covers for Simon and Schuster.

- 2005-2009 Freelance website designer: pattisilverstein.com, citron-guitars.com, janetperr.com, hiphopfordogs.com, and yiddishfordogs.com

ACCOMPLISHMENTS

- 2009-2010 INTEL SCIENCE COMPETITION (RESULTS PENDING)

- Studied neural networks created by natural selection of artificial agents via simulated evolution.
- Created my own algorithm for calculating the “synergy” a neural network contains.
- Performed experiments to gain a better understanding of how certain metrics of neural networks change as agents evolve.
- Worked closely with Virgil Griffith (of Caltech University) and Larry Yaeger (of Indiana University) who are both prevalent experts in this area.
- Wrote and submitted “INSERT TITLE HERE” to Intel Science Talent Search, Siemens Competition, and NYSCEF (part of ISEF)

- Summer 2009 OUTWARD BOUND

- Two week wilderness backpacking expedition in the Colorado Rocky Mountains.
- The physical and mental exhaustion we faced could not be described in sentences.