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# Allen Rabinovich

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**Objective:** To obtain an interesting and challenging position that would allow me to apply and develop my knowledge and skills in the areas of computer science and media arts.

## Education:

- 9/00 - present** **Massachusetts Institute of Technology, Cambridge, MA** — Candidate for the Bachelor of Science degree in Computer Science and Electrical Engineering (early 2004). GPA: 4.2.  
**Relevant coursework:** Circuits & Electronics, Electromagnetics and Applications, Signals and Systems, Introduction to Algorithms, Information Theory, Computation Structures, Structure and Interpretation of Computer Programming, Artificial Intelligence, Digital Systems Laboratory, Microelectronic Devices & Circuits, Mathematics for Computer Science, Research in Media Arts and Sciences, Laboratory in Software Engineering, Computational Media Design, Creative Imaging.
- 9/96 - 6/00** **Brooklyn Technical High School, Brooklyn, NY** — Graduated 4<sup>th</sup> in a class of 980. Received Honorary Regents Diploma, AP Scholar award, and numerous medals and certificates for academic excellence. GPA: 3.95
- 9/99 - 5/00** **Columbia University Science Honors Program, New York, NY** — participated in a highly competitive (more than 1,400 students competed for 270 available positions) advanced program for high school students.
- 6/99 - 7/99** **Hampshire College Summer Studies In Mathematics, Amherst, MA** — participated in a selective rigorous 6-week program in advanced mathematics; courses taken included Advanced Number Theory, Graph Theory, Chaos and Fractals, and Mathematical Origami.

## Work Experience:

- 1/01 - present** **Researcher, MIT Media Laboratory, Cambridge, MA** — Independent and team work in Aesthetics and Computation Group on research projects that involve design of system architectures and thought processes that enable creation of new forms and spaces. The work in the group combines advanced research in Computer Science and Engineering with highly innovative visual and functional design.
- 6/02 - 8/02** **Developer, Design Machine Co, New York City, NY** — Application development under the direction of Alexander Gelman, an award-winning graphic and interactive content designer. The project involved creating an administrative support system for a large rapidly-evolving web portal. Tasks included: ASP and database programming, information design, visual and interface design.
- 5/02 - present** **Residential Computing Consultant, MIT Information Systems, Cambridge, MA** — Dorm network administration and monitoring. Tasks include: resolving network problems, providing assistance to users with configuring their network devices, issuing IP addresses, maintaining the network printer, and administering the dorm server (Apache / Redhat Linux)
- 6/01 - 8/01** **Member of Application Testing Team, Verizon Corporation, Brooklyn, NY** — co-managed a quality assurance team that prepared the new verizon.com customer service for launch. Tasks involved deep debugging and correcting of multiple ASP applications, re-designing the user interface, correcting the database structure and assisting with layout changes.

## Skills:

Proficient in the following programming languages:

C / C++, Java, ASP, Perl, Python, Scheme (LISP), SQL, XHTML

Proficient in the following systems and applications:

Microsoft Windows: all versions (both user and server editions), Microsoft Office 6.0 — XP (including Microsoft Access), RedHat Linux 7.3 — 8, MySQL, Adobe Photoshop 7.0, Adobe Illustrator 10.0, Adobe InDesign 2.0, Adobe Acrobat 5, Adobe Premiere 6.5, Macromedia FreeHand 9.0, Macromedia Flash 5.0 —MX, Macromedia Dreamweaver MX, Apple Final Cut Pro 3.

**Awards:**

AP Scholar With Honor, Tri-State Mathematics Fair Gold Medal, First Prize at Academy of Sciences Science & Technology Expo, NY Governor's Committee Award, American Regions Math League Most Valuable Team Member Award, New York State Math League Individual High Scorer Award, Columbia Scholastic Press Gold Circle Award In Design.

**Leadership:**

- 9/98 - 6/00 **Captain, Brooklyn Technical High School Mathematics Team** — Captain of an award-winning team that was recognized on city and state levels.
- 9/96 - 6/00 **Editor-in-chief, Mathematics Student Magazine** — Head editor of a multiple award-winning scientific and mathematical publication of Brooklyn Technical High School. Pioneered and implemented innovative layout and design for the magazine as well as multimedia editions of the publication.
- 9/98 - 6/00 **Production editor, Horizons Magazine** — Editor of the award-winning literary magazine, recipient of Columbia Scholastic Press Award for original design and layout.
- 1/99 - 6/00 **Captain, New York City Math Team** — Captain of the team that scored 6<sup>th</sup> nationally and 2<sup>nd</sup> on the state-level; recipient of the Most Valuable Team Member award, and an Individual High Scorer Award.

**Languages:**

Proficient in Russian; reading ability in French.

**Interests / Sports:**

Computational media design, interface design, professional digital photography, advanced image manipulation, Russian poetry of late 19th century, History of Mathematics, Shakespearean sonnets and plays.

Volleyball, handball, inline skating.

**References:**

Available upon request.