

Patrick Nosker

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Summary:

- Capable researcher with multiple inventions and published papers.
- Develops ideas quickly, communicates effectively, and learns new concepts easily.
- Extensive background in web-management and computer systems design.
- Enthusiastic and eager to learn.

Education:

Candidate for B.A. Double Major in Molecular Biology and Biochemistry, Chemistry, Minor in Psychology
Rutgers, The State University of New Jersey, New Brunswick, New Jersey 2007-
School of Arts and Sciences Honors Program

Notable Courses:

- Honors Research in Molecular Biology and Biochemistry
- Honors General Chemistry
- Principles of Organic Chemistry (Honors)
- Organic Chemistry Lab for Majors
- Molecular Biology and Biochemistry 407-408
- Gene Regulation in Cancer and Development
- Physics I-II
- Calculus I-III, Linear Algebra

Notable Achievements:

Discovered two novel mRNA sequences and related proteins in *Artemia franciscana*, published on National Center for Biotechnology Information database
Discovered regional localization of eIF5A protein in human cervical cancer cells

High School Diploma:

Hunterdon Central Regional High School, Flemington, New Jersey 2003-2007

Notable Courses:

- Anatomy and Physiology
- AP Biology
- AP Chemistry
- Introduction to Organic Chemistry

Career History & Accomplishments:

Owner/Operator/CEO, Z Max Technologies

- Importation and sale of automotive parts and accessories from China, Japan, and Taiwan to local US based clients.
- Designed custom secure web sales portal
- Management of several thousands of dollars in revenue 2006-

Website Developer, Operator, HCSchedules.com

- Created portal for over 2000 students to collaborate and share information
- Allowed easy contact information retrieval for classmates
- Provided easy access to roster of students in specific classes 2004-2007

Editor, Writer, Developer, pnosker.com

- Wrote several reviews on technology and consumer electronics/tech products

Laboratory Assistant/Researcher, Center for Advanced Materials via Immiscible Polymer Processing, Rutgers University/Axion International

- Conducted new experiments with original organic and siloxane based compounds
- Provided data analysis and research on new techniques to utilize new compounds
- Developed and invented two patent pending fire-retardant compounds
- Published research papers in renowned scientific journals, inventions featured within
- Worked with US Army-Picatinny Arsenal, Chicago Transit Authority, and Axion International, Inc. 2004-2010

Rutgers University Aresty Scholar Research Assistant, Department of Chemistry and Chemical Biology

- Research under Dr. Kuang-Yu Chen on the topic of anti-cancer research with emphasis on Eukaryotic Initiation Factor 5a
- Presented poster at Department of Chemistry and Chemical Biology Symposium, Spring 2009
- Presented poster at the Aresty Undergraduate Symposium, Spring 2010
- Researcher from Spring 2009-

Memberships & Affiliations:

- Member, HCRHS Chapter Vice-President of Junior State of America 2006-2007
- Member and Founder, HCRHS President of Rubik's Cubing Society 2006-2007
- Member and Webmaster, Chi Psi Fraternity, Alpha Rho (Rutgers University)
- Associate Member, Sigma Xi Scientific Research Society
- Member, Gamma Sigma Alpha National Academic Greek Honor Society (Rutgers University)
- Dance Marathon Dancer, appointed General for top fundraiser (2008-2009)
- Dance Marathon Captain of Finance (2009-2010), top fundraiser of all time
- BMW Car Club of America NJ Chapter Autocross Class E first place plaque winner (2009)

Interests:

- Chinese language and culture
- Club racing and Autocross
- Rubik's Cubing
- Scuba Diving

Publications:

Lynch, J.K., T. Nosker, D. Ondre, M. Mazar, and P. Nosker, "Development of a Composite Thermal Barrier Coating," Proceedings, Society of Plastics Engineers Annual Technical Conference, May 2007, Cincinnati, OH.