

Julius Jacob Oppenheim

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Education

Hackley School

2011-2015

Senior Year Courses: Organic Chemistry, AP Biology, Calculus Based AP Statistics, Economics, English

Junior Year Courses: AP Chemistry, AP Computer Science, Multivariable Calculus/Differential Equations/Linear Algebra, Cellular Biology, English, 20th Century World History

Fairleigh Dickinson University

Fall 2013

Nonlinear Electronic Circuits, 3 Credits, Grade: A

Harvard University Summer College

Summer 2013

Laboratory Electronics: Analog and Digital Circuit Design, 8 Credits, Grade: A-

Columbia University Science Honors Program

2012-2015

Classes on Group Theory, Graph Theory, Mathematical Methods in Physical Science, Particle Physics

Work Experience

Regeneron Pharmaceuticals Science Mentorship Program

2014-2015

Mentoree (under Rostislav Chernomorsky)

Software design focusing on the dynamic integration of robotic equipment using Visual C++ and Ruby

New York Medical College, Department of Neurosurgery

2012-2014

Research Intern (under Dr. Meena Jhanwar-Uniyal)

Research focusing on molecular and genetic mechanisms of primary and metastatic tumors of the nervous system in an effort to understand the basic mechanisms of tumor metastases

- Co-authored a PLOS-ONE article "Stem Cell Therapy and Curcumin Synergistically Enhance Recovery from Spinal Cord Injury" February 18, 2014

Leadership

Hackley School Community Council

2013-2015

Senior Class President

Hackley Varsity Epee Fencing

2011-2015

Team Captain, 2014-2015

Hackley Computers Club

2011-2015

Co-president, 2013-2015

Specialized Skills

Technical: C/C++/Objective-C, Java, Microsoft Office, Python, Ruby

Hobbies

Music: Jazz and classical music on the trombone, Euphonium, and piano