

Julius Oppenheim

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EDUCATION

CALIFORNIA INSTITUTE OF TECHNOLOGY

CHEMISTRY MAJOR

Expected June 2019 | Pasadena, CA

Cum. GPA: N/A

HACKLEY SCHOOL

CUM LAUDE

June 2015 | Tarrytown, NY

Honors in Science, Math, and Arts

Composite ACT Score, 35

National AP Scholar

LINKS

Github:// JulesOpp

COURSEWORK

COLUMBIA UNIVERSITY SCIENCE HONORS PROGRAM

Sept 2012 – May 2015 | New York, NY

Organic Chemistry

Computer Programming in Java

Group Theory

Graph Theory by Example

Mathematical Methods in Physical Science

Particle Physics

FAIRLEIGH DICKINSON UNIVERSITY

Fall 2013 | Teaneck, NJ

Nonlinear Electronic Circuits

HARVARD UNIVERSITY SUMMER COLLEGE

Summer 2013 | Cambridge, MA

Laboratory Electronics: Analog and Digital Circuit Design

SKILLS

PROGRAMMING

Proficient:

C • C++ • Java • Objective-C

MS Excel • Python • \LaTeX

Skilled:

AppleScript • JavaScript • Ruby

CERTIFICATIONS

First Aid CPR AED, June 2015

EXPERIENCE

I2 CAMP | ENGINEERING DESIGN WORKSHOP TEACHER

June 2015 – Aug 2015 | Tarrytown, NY

- Taught middle school students to design and fabricate ROVs.

REGENERON PHARMACEUTICALS | AUTOMATION TECHNOLOGIES MENTOREE

June 2014 – Sep 2014 | Tarrytown, NY

- Work focused on the dynamic integration of robotic equipment.

NY STATE DEPARTMENT OF HEALTH | UNDERCOVER INVESTIGATOR

2012 – 2014 | Rockland Country, NY

- Determined whether stores would sell cigarettes to minors.

RESEARCH

NEW YORK MEDICAL COLLEGE, DEPARTMENT OF NEUROSURGERY | RESEARCHER

Summer 2012 – 2014 | Valhalla, NY

- Worked with Dr. Meena Jhanwar-Uniyal to study molecular and genetic mechanisms of primary and metastatic tumors of the nervous system to understand the mechanism of tumor metastases.
- "Stem Cell Therapy and Curcumin Synergistically Enhance Recovery from Spinal Cord Injury," February 18, 2014, Published in PLOS ONE

LEADERSHIP

HACKLEY UPPER SCHOOL COMMUNITY COUNCIL | CLASS PRESIDENT

Aug 2014 - June 2015 | Tarrytown, NY

- Designed events such as movie nights, field days, and spirit weeks.

HACKLEY VARSITY EPEE FENCING SQUAD | TEAM CAPTAIN

Aug 2014 - June 2015 | Tarrytown, NY

- Led the team to 2nd place for Men's Team Epee in the ISFL.
- Earned 3rd place for Men's Individual Epee in the ISFL.

HONORS

- 2015 Hackley Richard Perkins Parker Memorial Award
- 2015 Hackley Stanley B. Pennock Prize in Science
- 2015 Hackley Stanley B. Pennock Prize in Math
- 2015 Hackley Stanley B. Pennock Prize for Technology
- 2015 Hackley Community Music Award for Band Ensembles

PERFORMANCES

- 2014 Trombone First Chair Area All-State Orchestra
- 2014 Trombone Westchester All-Country Jazz Festival
- 2013 Trombone Harvard University Summer Pops Band
- 2013 Euphonium First Chair Area All-State Orchestra