John Grossmann

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EDUCATION

2010-Present	**COLGATE UNIVERSITY**	Hamilton, NY

Candidate for Bachelor of Arts, May 2014
- Double Major: Physics and Computer Science
- Cumulative GPA: 3.09, Computer Science: 3.16, Physics: 3.31

2006-2010	**FARMINGDALE PUBLIC HIGH SCHOOL**	Farmingdale, NY

Advanced Regents Diploma with Honors, June 2010
- Cumulative GPA: 4.0
- AP Scholar with Distinction   National Honor Society   DECA

EXPERIENCE

8/2012-Present   **PHYSICS RESEARCH, COLGATE UNIVERSITY**

Leader in Solid State Research Using Ultrasonic Attenuation Techniques
- Developed a highly functional Ultrasonic Interferometer using severely constrained budget
- Presented my work at the Syracuse University Undergraduate Physics Research Day
- Implement Igor statistic gathering software by manipulating its specific programming language.
- Acquire vital hands on lab research experience

ACTIVITIES

10/2011-Present   **THETA CHI FRATERNITY, COLGATE UNIVERSITY**

Member
- Provide assistance in coordinating and implementing year-round philanthropy events
- Tutor fellow members in Physics and Computer Science

RELEVENT COURSEWORK

Current   **SOFTWARE ENGINEERING FOR THE CLOUD:** *COSC 480*
- Focus on full cycle Agile software development in the context of building a SaaS application to deploy in the cloud.
- Create a working SaaS application for a client using Ruby on Rails framework
- Learn and apply fundamental programming constructs and techniques.

Fall 2012   **COMPUTATIONAL MECHANICS:** *PHYSICS 453*
- Used Matlab to implement efficient algorithms for solving a broad range of mechanics based problems.

Fall 2012   **OPERATING SYSTEMS:** *COSC 301*
- Acquired experience in systems programming

Spring 2012   **ELECTRONICS:** *PHYSICS 282*

- Mastered digital and analog circuit analysis and implementation

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SKILLS

PROGRAMMING
- Proficiency: *Java, C, Matlab*
- General Use: *Python, Igor*
- Learning: *Ruby on Rails, Haskell, C++*

COMPUTERS
- Experience with Unix, Mac OS, Windows
- Mastery of Microsoft Word, PowerPoint, Excel

MACHINE SHOP
- Techniques for working on Wood and Metal
- Soldering skill

ELECTRONICS AND CIRCUITRY
- Mastery of digital and analog circuit manipulation
- Implementation of Integrated Circuits
- Creation of PCB boards