

Vincent Chen

16 Rutledge Road • Marlboro, NJ • 07746
(732) 581-6317 • vchen@ctemc.org

EDUCATION 2010-Present: High Technology High School, Lincroft, NJ 07738 • Cumulative GPA: 3.85

- HONORS**
- Co-author of scientific paper submitted to *Nano Letters Journal* (2013)
 - Liberty Science Center “Partners in Science Program” Research Fellow (2013)
 - Delaware Valley Science Fair – Honorable Mention in Medicine and Health (2013)
 - Jersey Shore Science Fair – 1st Place in Medicine and Health (2013)
 - New Jersey Academy of Science – 1st Place Presentation in Psychology (2012); 3rd Place Presentation in Cell/ Molecular Biology (2013); New Jersey delegate at American Junior Academy of Science Conference (2013); Research abstracts published in New Jersey Academy of Science annual journal (2012 & 2013)
 - Technology Student Association – 1st Place National Conference in Digital Video Production (2012); 2nd Place State Conference in VEX Robotics (2013)
 - Panasonic Creative Design Challenge – Best Oral Presentation (2013)
 - NYU-Poly “CyberSecurity Awareness Week Challenge” finalist (2011 & 2012); \$56,000 scholarship
 - MATE Pennsylvania ROV Competition – Internationally-Qualifying Competitor, 2nd Place Overall, 1st Place Engineering Evaluation, 1st Place Technical Report, 1st Place CADD (2012); 1st Place Technical Report, 1st Place CADD, 2nd Place Presentation (2013)
 - Clarkson University “Young Scholars Program” Fellow (2011); \$16,000 scholarship
 - Deloitte SPILL Virtual Team Challenge – Top 2% Performance Nationwide (2012)
 - Three Marlboro High School Varsity Tennis Letters (2011-2013)
 - Boys Tennis – Shore Conference Tournament Finalists (2011 & 2013); Division A North Winners (2011-2013)
 - “The Royal Conservatory of Music” piano examination – Grades 3 through 7 with honors (2008-2012)
 - “New Jersey Music Teachers Association” honors recipient (2007-2010)

- EXPERIENCE**
- **Biomedical Engineering Intern** with Dr. Kyle Andrew (Fall 2013-Present)
Fu Foundation School of Engineering | Columbia University
Developed a low cost phototherapy device for treatment of jaundice for neonatal care in Uganda
 - **Student Researcher** with Dr. Yong Shi (Summer 2013)
Schaeffer School of Engineering & Science | Stevens Institute of Technology
Contributed to study on the application of PZT nanogenerators for harvesting power in wind energy
 - **Student Researcher** with Dr. Chung S. Yang (Summer 2012)
Susan Lehman Cullman Laboratory for Cancer Research [Rutgers University]
Contributed to study to optimize induction of colon tumorigenesis using the dietary carcinogen, PhIP
 - **Web Developer** (2012-Present)
Collaborated to code *HTHS-Secret-Santa* gift exchange and *chainging.us* productivity application
 - **Teaching Assistant** at High Technology High School Camp (Summer 2011)
Assisted faculty in the instruction of 5th to 8th grade students in engineering basics and CADD
 - **Teaching Assistant** at Huaxia S. Chinese School Tennis Class (2010-2011)
Organized drills, improved student technique, and fed balls to help students improve their tennis skills

- COMPUTER SKILLS**
- Computer Aided Design: Autodesk Inventor; SolidWorks; AutoCAD; Google Sketchup
 - Statistical Analysis: Microsoft Excel; MATLAB
 - Web Development: HTML/CSS; JavaScript; PHP; MySQL
 - Visual Media: Adobe Photoshop; Adobe Illustrator; Sony Vegas Pro; Adobe Flash

- ACTIVITIES**
- HTHS Robotics Club (Co-Vice President 2012-2014)
 - HTHS Technology Student Association Chapter (Secretary 2012-2013; Vice President 2013-2014)
 - Member of National Honor Society, Key Club, Science League, Experimental Research Group
 - Marlboro High School Varsity Tennis (Team Captain; Doubles Player 2011-Present)
 - Marlboro Teen Advisory Committee: Senior Citizen Computer Training Initiative (2012-Present)
 - Columbia Science Honors Program (2013-2014)
 - First United Methodist Church Soup Kitchen (Winter 2012-Present)
 - Cecilian Music Club Monster Concert Performer (2007-2012)

REFERENCES Available upon request.