

Chenyun Zhang
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EDUCATION

- University of California, Berkeley 2017 - present
- Virginia Aerospace Science and Technology for Scholars Summer Academy 2016
- New Horizons Governor's School for Science & Technology (GSST), Hampton, VA 2015 - 2017
in conjunction with Thomas Nelson Community College
Scientific Programming Strand: Physics I & II; Calculus I & II; Research Methodology & Ethics
- Virginia Aerospace Science and Technology for Scholars 2015 - 2016
- Grafton High School, Yorktown, VA 2013 - 2017
AP Coursework: Computer Science A, English Language and Composition, English Literature and Composition, Government and Politics, United States, European History, Human Geography, Chinese Language and Culture, Psychology, Statistics, Environmental Science, Calculus BC

PROGRAMMING LANGUAGES

- Java
- Python
- NetLogo
- C#

SOFTWARE PACKAGES

- Microsoft Office
- NetBeans 8.0.2
- IDLE
- Visual Studio
- Adobe Photoshop CC 2015

RESEARCH EXPERIENCE

- Developing the Studio9 Website 2016 - 2017
Studio9 Website Development and Analytics Using HTML and CSS
- Using past war data to predict the effects of a major world war 2016 - 2017
A Simulation on the Effect of a Major World War on the Population of the World
- *Stenotrophomonas acidaminiphila's* effect of pollution 2015 - 2016
A Model on the Effect of Stenotrophomonas acidaminiphila on the Pollution in the Chesapeake Bay
- Different algorithms that can find the best combination in a given parameter 2014
Too Much Things, Too Little Space
- Different algorithms that can find the shortest distance between two points on a map 2013
The Effect of Different Types of Algorithm on the Shortest Distance

RESEARCH PRESENTATIONS

- GSST Spring Symposium 2017
Studio9 Website Development and Analytics Using HTML and CSS

- Modeling, Simulation and Visualization Student Capstone Conference 2017
A Simulation on the Effect of a Major World War on the Population of the World
- M&S Challenge Competition 2017
A Simulation on the Effect of a Major World War on the Population of the World
- MODSIM World 2017
A Simulation on the Effect of a Major World War on the Population of the World
- Interservice/Industry Training, Simulation, and Education Conference 2016
A Simulation on the Effect of a Major World War on the Population of the World
- GSST Science Fair and Tidewater Science Fair 2016
A Model on the Effect of Stenotrophomonas acidaminiphila on the Pollution in the Chesapeake Bay
- York County School Division Science Fair and Tidewater Science Fair 2015
Too Much Things, Too Little Space
- York County School Division Science Fair and Tidewater Science Fair 2014
The Effect of Different Types of Algorithm on the Shortest Distance

AWARDS

- New Horizons Education Foundation Scholarship 2017
- Virginia High School League, Ironclad Conference 18, Doubles Tennis Tournament 2017
Champion
- Virginia High School League Ironclad Conference 18, Singles Tennis Tournament 2017
Runner-Up
- 32nd Annual Great Computer Challenge 2017
2nd place team in Programming-Scientific/Non-Business
- 7th Annual Regional High School Mathematics Competition at CNU 2017
2nd overall highest team score
- Chosen to represent Governor's School for Future Leaders Pavilion 2016
Interservice/ Industrial Training, Simulation, and Education Conference at Orlando Florida
- Virginia High School League, Ironclad Conference 18, Doubles Tennis Tournament 2016
Runner-Up
- RIT Computing Award 2016
Computing Medal Scholarship
- NCWIT Award for Aspirations in Computing 2016 - 2017
Certificate of Distinction
- Tidewater Science Fair 2015 - 2016
Second Place (2016) and Honorable Mention (2015), Computer Science Division
- York County School Division Science Fair 2014 - 2015
First Place (2015) and Second Place (2014), Computer Science Division
- Virginia High School League, Conference 19, Singles Tennis Tournament 2015
Runner-Up
- Virginia High School League, Conference Team Tournament 2014- 2015
Champions

AFFILIATIONS

- United States Tennis Association 2011 - Present
- Robotics (122 NASA Knights) 2015 – 2016
- Centre Court Racquet Club 2010 - 2016