Ryoma Harris

High achieving student with a passion for academics and experience in programming, seeking to explore computer science and linguistics through internships and research projects.

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Education

High School	Mathematics and Science Academy at Ocean Lakes High School, Class of 2020 885 Schumann Drive, Virginia Beach, VA 23454
GPA/Rank	4.6737 weighted, ranked 1 out of 515
SAT	1530 out of 1600, composite score (Aug. 2019)
ACT	36 out of 36, composite score (Sept. 2019)
SAT Subject	Math II: 800 out of 800 (Jun. 2019); Chemistry: 800 out of 800 (Jun. 2018)
AP Exams	[5] Chemistry, Physics I, Calculus BC, Computer Science A, Computer Science Principles, English Language and Composition, European History; [4] Seminar, Statistics, U.S. History

Independent Research

- ▸ ***Computer Vision for the Visually-Impaired*** (2019-present)
  - • Research Intern: ODU Virginia Modeling, Analysis, and Simulation Center (VMASC) (2019)
- ▸ ***Simple Evolution Simulation of Robot Race Cars using Python*** (2019)
- ▸ ***Rocket Payload Separation to Achieve a Target Apogee*** (2018-19)
  - • Mathematics and Science Academy Research Medallion, *OLHS Night of Science* (2019)
  - • 1st Place Team Special Award, *AFCEA, Tidewater Chapter, Tidewater Science Fair* (2019)
- ▸ ***Website Development with HTML5, CSS, JavaScript, and Git*** (2018-19)
- ▸ ***Mobile App Development with Java and XML*** (2017-18) and ***Flutter and Dart*** (2018-19)

Honors and Awards

- ▸ ***Princeton Book Award***, *Princeton Club of Hampton Roads* (2019)
- ▸ ***Class of 2020 E. E. Brickell Scholar***, *Virginia Beach Rotary Club* (2019)
- ▸ ***The Virginian-Pilot Scholastic Achievement Award***, *Virginian-Pilot* (2018, 2019)
- ▸ ***National College Match Finalist***, *QuestBridge* (2019)
- ▸ ***National Merit Semifinalist***, *National Merit Scholarship Corporation* (2019)
- ▸ ***National AP Scholar***, *CollegeBoard* (2019)
- ▸ ***Ayn Rand "Anthem" Essay Contest Semifinalist***, *Ayn Rand Foundation* (2018)
- ▸ ***Dedicated Dolphin Award***, *Ocean Lakes High School* (2016, 2017, 2018, 2019)
- ▸ ***IC3 Digital Literacy Certification***, *Certiport* (2017)

Extracurricular Activities

- ▸ ***Virginia Summer Residential Governor's School for Mathematics, Science, and Technology*** (2019)
  - • *Intensive 4-week residential program with an emphasis on hands-on laboratory and projects*
- ▸ **Secretary**, *Programming Club* (2017-present)
  - • 2nd Place - Great Computer Challenge, Scientific/Non-Business, Senior Division (2019)
  - • 1st Place - Great Computer Challenge, Object-Oriented/Business, Senior Division (2018)
  - • 1st Place - Lockheed Martin Code Quest, Advanced Division, Suffolk Region (2018)
- ▸ **President**, *Mu Alpha Theta (National Math Honor Society)* (2016-present)
  - • 2nd Place in School on the American Mathematics Contest 12 (2019)
  - • Christopher Newport University Math Competition (2018)
  - • Face-2-Face Math Tutoring (2017)
- ▸ **1st Vice President**, *National Junior Classical League/National Latin Honor Society* (2016-present)
  - • National Classical Etymology Exam - Bronze (2019), Silver (2017)
  - • National Latin Examination - Cum Laude (2017)
  - • Coordinated school's first annual Latin Fest (2017)
- ▸ **Co-Founding President**, *Cubing Club* (2018-present)
  - • 3x3 Finalist at the Battle of Virginia Beach 2019, an official World Cube Association event
  - • National Rank in Japan: 63rd for 3x3 Average, 103rd for 2x2 Average

Community Service

- ▸ ***Teen Advisory Group*** *at the TCC Joint-Use Library* (2015-present) [over 200 hours]
  - • *Organize and facilitate library events, manage book holds, math tutoring, host book sales*
  - • Debra L. Elam Outstanding Youth Volunteer Group Award (2018, 2019)
- ▸ ***Summer Reading Challenge*** *at the TCC Joint-Use Library* (2015-17) [over 50 hours]