

# Keltin Grimes

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## EDUCATION

- Student at William G. Enloe Magnet High School GT/IB Center for Humanities, Sciences, and the Arts, graduating Spring 2019
- 4.5625 Weighted GPA, 19<sup>th</sup> Class Rank (Top ~5%)
- Relevant Coursework: AP Calculus AB/BC, Calculus III, Differential Equations, AP Physics I, Advanced Computer Science, IB Further Math, AP Statistics

## ACADEMIC ACHIEVEMENTS

- 36 ACT Composite, February 2018
- 1560 SAT Score (800 Math, 760 Reading & Writing), December 2017
- 2017, 2018 AP Scholar Award, with Distinction in 2018
- Scored 5 on AP Exams for Calculus AB/BC, Macroeconomics, Physics I, and Environmental Science
- National Academy of Future Scientists and Technologists Award of Excellence for “outstanding academic achievement, leadership potential and determination to serve humanity in the field of science and technology”, 2017

## RESEARCH AND WORK EXPERIENCE

- Research internship at the North Carolina State University Department of Statistics under Prof. Brian Reich, February-November, 2017
  - Completed an individual research project to predict features of a home based on a fungal swab of the house, used R to build the prediction model, also fluent in 7 other coding languages
  - Presented a research poster at the 2017 State of North Carolina Undergraduate Research and Creativity Symposium titled “Inferring Home Features from Indoor and Outdoor Microbial Fungi”
- Research Internship at NC State Laber Labs under Prof. Eric Laber, September 2017-Present
  - Currently assisting a project to improve NFL play-calling using the video game Madden, using Python to build the data-collection framework and the prediction model, briefly worked on a project to improve Zillow’s home pricing estimator
- Laboratory internship at the South Korean Daegu-Gyeongbuk Institute of Science and Technology Department of Energy Science and Engineering under Professor In, June 26-July 27 2018
  - Developed materials for photo-conversion of CO<sub>2</sub> to methane or ethane for fuel, used R to analyze the results of experiments and properties of the materials, lived and worked at the South Korean campus
- Developed an asset management system for the North Carolina State University Department of Materials Science and Engineering, April 2018-Present
  - Used HTML, PHP, SQL, and CSS to build the interface, saves the department large amounts of time

## ATHLETICS

- Played for Enloe Men’s Varsity Soccer team, 2015-2018
  - Qualified for state playoffs the first three years, my main positions are striker and right-back
- Played travel club soccer since 2011, for Triangle Futbol Club Alliance and North Carolina FC
  - Won or placed in multiple various tournaments

## **EXTRACURRICULAR ACTIVITIES**

- Played violin since 2<sup>nd</sup> grade, member of the Enloe Chamber Orchestra 2015-2019
- Vice President of the Enloe Political Satire Club 2017-Present, help organize and run monthly meetings where we write satirical show scripts
- Main hobbies are golfing and skiing

## **REFERENCES**

- To be provided upon request