

# Keltin Grimes

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## EDUCATION

- Incoming freshman at Carnegie Mellon University, majoring in Statistics in the Dietrich College of Humanities and Social Sciences, graduating spring 2023
- Graduated from William G. Enloe Magnet High, June 2019, with a 4.656 weighted GPA, 23<sup>rd</sup> Class Rank
- Relevant Coursework: AP Calculus AB/BC, Calculus III, Differential Equations, AP Physics I, Advanced Computer Science, IB Further Math, AP Statistics

## ACADEMIC ACHIEVEMENTS

- 1560 SAT Score (800 Math, 760 Reading & Writing, 4/5/6 Essay), December 2017
- 36 ACT Composite (36 Math, 36 Science, 36 English, 36 Reading, 9 Writing), February 2018
- Scored 5 on AP Exams for Calculus AB/BC, Macro- and Micro economics, Statistics, Physics I, Environmental Science, Comparative Government and Politics, and 4 on World History and English Literature and Composition, May 2017/2018/2019
- 800 SAT Mathematics Level II and 790 SAT Physics scores, August 2018
- National Academy of Future Scientists and Technologists Award of Excellence, 2017
- National AP Scholar
- AP Scholar Award, 2017, with Distinction in 2018 and 2019
- Finalist in the 2019 National Merit Scholarship Program
- Presidential Scholars Program Candidate, 2019
- 2019 American Statistical Association Leadership Challenge winner
- 2019 RFA Short Story Competition Honorable Mention for *Iluula*

## 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, December 2017-April 2018
  - Assisted a project to improve NFL play-calling using the video game Madden, used 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-September 2019
  - Used HTML, PHP, SQL, and CSS to build the interface, saves the department large amounts of time

## **EXTRACURRICULAR ACTIVITIES**

- Enloe Men's Varsity Soccer, 2015-2018
  - Qualified for state playoffs all four years
- Travel club soccer, for Triangle Futbol Club Alliance and North Carolina FC, 2011 to 2018
  - Won or placed in multiple tournaments
- Played violin since 2<sup>nd</sup> grade, member of the Enloe Chamber Orchestra 2015-2019
- Vice President of the Enloe Political Satire Club 2017-2019, helped to organize and run monthly meetings where we write satirical show scripts
- Volunteer at Oak City Soccer, 2016-2019
- Attended Data Matters week-long short-course series, August 2018
  - Learned about information visualization, network analysis, data mining, and machine learning
- Main hobbies are golfing and skiing

## **REFERENCES**

- To be provided upon request