Darren Key

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# Summary

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| High school senior with more than 6 years of programming experience. Quick learner and skilled in problem solving. Enrolling in Cornell starting August 2021. |

# Computer skills

## Languages

* Proficient in: Python and Swift, Will pick up other languages quickly if needed
* Familiar with: C# and C++

## Software

* Platforms: MacOS, Linux, and Microsoft Windows 10

# Experience

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| Computational Biology Research | July 2019 - Now |

* Currently working with a Cornell Professor using computational biology to analyze bacteria capable of degrading plastic
* Primarily scripting using Python

# Projects

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| Creator of TimeKeep – iOS App | November 2019 – Now |

* Sole creator and developer of app
* 7 reviews, 4.4 star rating
* 430+ downloads

https://apps.apple.com/us/app/timekeep-planner-and-tracker/id1499044751

# Awards

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| --- | --- |
| USA Computing Olympiad (USACO) – Gold Division | December 2020 |

* National Programming Competition for High Schoolers
  + Focused especially on computer science theory, such as dynamic programming, depth-first search, breadth-first search, etc.
* Top ~12% of competitors

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| American Invitational Mathematics Exam Qualifier (AIME) – 4x | 1. - 2020 |

* National math and problem-solving based competition
* Top 5% of participants
* Highest score of 9 – Top 0.5% of total participants

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| Georgia Institute of Technology Math Competition | March 2019 |

* Statewide Math Competition for High Schoolers
* 3rd place/300+ competitors

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| Cornell - Rawlings Presidential Scholars Program | May 2021 |

* Research program/scholarship at Cornell
* Top 2% of undergraduates

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| Northwestern – Murphy Program | May 2021 |

* Received an offer from Northwestern
* Offered into the Murphy Program – Top 20/450+ engineering students (Top 5% of applicants)

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| **University of Georgia – Presidential Leadership Scholarship** | May 2021 |

* Scholarship for less than 1% of applicants

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| National AP Scholar with Distinction | May 2020 |

* Less than 1% of AP test takers

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| Math Team President and Coding Club Vice President | 2020 - 2021 |

* President of the High School Math Team
  + Organized local math competition with over 130+ participants
* Vice President of the High School Coding Club

# Education

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| Walton High School  * High School Diploma * GPA – 4.70/5.0   + Top 1% * 14 AP Courses Taken | 2017 - 2021 |
| Georgia Institute of Technology  * Dual enrollment – took various math classes: Multivariable Calculus, Linear Algebra, Applied Combinatorics and Differential Equations * Took Intro to Computing | 2019 - 2021 |
| Cornell University  * Will be starting in August 2021 | 2021 - 2025 |