

Darren Key

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Github - <https://github.com/DarrenKey>
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EDUCATION

Cornell University • Ithaca, NY BA in Computer Science | Expected May 2025

- Clubs – Life Changing Labs: Organizing speaker events for entrepreneurship
- GPA – 4.092/4

Georgia Institute of Technology • Atlanta, GA High School Dual Enrollment | 2019 - 2021

- GPA – 3.77/4

Walton High School • Marietta, GA 2017 - 2021

- GPA – 4.70/4

Relevant Courses: OO Programming and Data Structures, Multivariable Calculus, Linear Algebra, Applied Combinatorics, Intro to Computing, and Differential Equations

EXPERIENCE

Computational Biology Research Assistant | Cornell University July 2019 - Present

- Worked with Professor Anthony Hay analyzing bacteria capable of degrading plastic
- Wrote scripts in R and Python using NumPy and Matplotlib to study portions of the bacteria's genome

Cashier at Kroger July 2021 – August 2021

- Managed the cash register, developed soft skills in diffusing difficult situations

PROJECTS

iOS App: TimeKeep – Planner and Tracker November 2019 - Present

- Designed and developed an all-in-one time management app available on the iOS app market with 600+ units, 4.5 stars and 8 ratings, created all by myself
- Uses Swift and Realm (database alternative to CoreData and SQLite)

iOS App: YEP Chat – Better Emotes June 2021 - Present

- Created and launched an alternative chatting app for the livestreaming website Twitch designed to increase audience participation currently out on the iOS app market with 1K+ units, 5 stars and 2 ratings, developed all by myself
- Programmed in Swift, uses Twitch API and OAuth 2.0

Python App: Minimum Spanning Tree Visualization June 2021 - Present

- Built GUI project to visualize Prim's and Kruskal's algorithm
- Written in Python and tkinter

AWARDS

Cornell – Rawlings Presidential Scholars Program May 2021

- Part of ~1% of incoming freshman at Cornell selected to be provided resources and a scholarship for research based on determined aptitude and previous research

Northwestern University – Murphy Program May 2021

- Granted admission to Northwestern and selected as a Murphy Scholar as one out of 20 out of 450+ applicants to be granted resources and support for the development of research and entrepreneurial talent based on determined aptitude

University of Georgia – Presidential Leadership Scholarship May 2021

- Chosen for the Presidential Leadership Scholarship as one out of 45 at the University of Georgia out of 5200+ applicants based on academic achievement, leadership, and previous accomplishment

USA Computing Olympiad (USACO) – Gold Division December 2020

- Scored in the top 12% of total participants in the premier nationwide competition for high school students in programming

American Invitational Mathematics Exam Qualifier (AIME) – 4x 2017 - 2021

- Scored in the top 0.5% of total participants in the premier nationwide math competition for high school students

SKILLS

Python, Java, Swift, HTML, CSS, Git, SQL, R