

Darren Yan Key

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EDUCATION

Cornell University • Ithaca, NY Bachelor of Science in Computer Science • Expected Graduation May 2025

- Relevant Courses: OO Programming and Data Structures

Georgia Institute of Technology • Atlanta, GA

Dual Enrollment • 2019 - 2021

- Dual enrollment (college courses taken in high school) – Relevant Courses: Multivariable Calculus, Linear Algebra, Applied Combinatorics, Intro to Computing, and Differential Equations
- GPA – 3.77/4

Walton High School • Marietta, GA

High School • 2017 - 2021

- GPA – 4.70/4

EXPERIENCE

Computational Biology Research in the Hay Lab at Cornell University

July 2019 - Present

- Worked with Professor Anthony Hay analyzing bacteria capable of degrading plastic using Python and R

Cashier at Kroger

July 2021 – August 2021

- Worked as a cashier at Kroger checking out customers, developed soft skills in diffusing difficult situations

PROJECTS

iOS App: TimeKeep – Planner and Tracker

November 2019 - Present

- Created an all-in-one time management app using Swift currently out on the iOS app market with 500+ downloads, 4.5 stars and 8 ratings

iOS App: YEP Chat – Better Emotes

June 2021 - Present

- Created an alternative chatting app using Swift for the livestreaming website Twitch currently out on the iOS app market with 350+ downloads, uses OAuth 2.0 and Twitch API

Python App: Minimum Spanning Tree (MST) Visualization

June 2021 - Present

- Created GUI project to visualize Prim's and Kruskal's algorithm along with the ability to add or remove nodes to the graph

AWARDS

Cornell – Rawlings Presidential Scholars Program

May 2021

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

Northwestern University – Murphy Program

May 2021

- Selected as a Murphy Scholar as one out of 20 at Northwestern out of 450+ applicants 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

Proficient in: Python, Java, Swift, HTML, CSS, Git, SQL
Platforms: MacOS, Linux, and Microsoft Windows 10