**Derek Ni**

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[https://derekni.com](https://derekni.com/) | <https://github.com/derekni>

Summary

Sophomore at Cornell University pursuing a Bachelor of Science degree in Computer Science with experience in app development and highly interested in artificial intelligence and virtual reality.

Education

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| **Cornell University**  *B.S. Computer Science, GPA: 4.13* | **Ithaca, New York**  Graduating May 2023 |

Courses taken: OO Programming & Data Structures, Discrete Structures, Intro to Backend Development, Functional Programming, and Probability & Statistics.

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| **Thomas Jefferson High School for Science and Technology**  *GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600* | **Alexandria, Virginia**  Graduated June 2019 |

Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, and National Merit Finalist.

Experience

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| |  |  | | --- | --- | | **MITRE**  *Cyber Security Intern* | May 2020 – August 2020 | | Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs. | |  |  |  | | --- | --- | | **Cornell ACSU**  *Academic Officer* | October 2019 - Present | | Plan and hold academic events like mock interviews and coding workshops for Cornell ACSU. | | | **Southgate GIVE**  *Center Manager* | September 2015 - June 2019 | | Managed scheduling, communication and tutoring for tutoring program at local community center. | | | **Monster Roll**  *Employee* | January 2018 - July 2019 | | Part-time job making rolled ice cream and bubble tea. | |   Projects   |  | | --- | | [**Jimmy Jumper**](https://apps.apple.com/us/app/jimmy-jumper-a-jumping-game/id1519102869)  A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.  [**Johnny Jumper**](https://apps.apple.com/ml/app/johnny-jumper/id1516182300)  A mobile jump game where the player jumps on platforms to reach the sky. Coded using JavaScript with Phaser.  [**TaskTime**](https://apps.apple.com/us/app/tasktime-boost-productivity/id1424966230?ls=1)  Productivity app to motivate users to complete to-dos through a points system. Coded using Swift in XCode. | |

Skills & Interests

**Skills:** Python, Java, C#, Swift, JavaScript, HTML and SQL

**Interests:** Reading, tennis, piano, podcasts and running