Derek Ni

(703) 675-8732 | dan82@cornell.edu
https://derekni.com | https://github.com/derekni

EDUCATION

Cornell University   Ithaca, NY
B.S. Computer Science, GPA: 4.118   *Expected May 2023*
Courses: Algorithms, Functional Programming, Objected Oriented Programming, Database Systems, Artificial Intelligence, Discrete Structures, Backend Development, Probability & Statistics

Thomas Jefferson High School for Science and Technology   Alexandria, VA
Advanced Studies Diploma   *Graduated June 2019*

WORK EXPERIENCE

Amazon   Seattle, WA
Incoming SDE Intern   *Expected May 2021 – Aug 2021*

Tesla   Palo Alto, CA
Mobile Engineer Intern   *Feb 2021 – Present*
- React Native/Git

Cornell University   Ithaca, NY
CS 2110 Consultant   *Aug 2020 – Dec 2020*
- Hosted weekly office hours to help students with object-oriented programming concepts
- Graded and gave feedback on coding assignments, quizzes, and exams

PERSONAL PROJECTS

Ascii Stream | IvyHacks 2nd Overall | TypeScript, WebRTC
- Video call web app that converts video to ASCII art to save bandwidth
- Uses WebRTC for real time text and audio communication between users

Minto | TypeScript
- Productivity Chrome extension to incentivize productivity by the minute through rewards
- Tracks minutes worked as mints, which users can spend on rewards they create

TaskTime | Swift
- Productivity iOS app to motivate users to complete to-dos and keep healthy habits
- Uses points with a gamified to-do list to increase user productivity

Johnny Jumper | JavaScript, Phaser
- A 2D mobile jump game where the player jumps from platform to platform to reach the sky
- Optimized by creating sub-maps instead of one large map and reducing tile layers

ORGANIZATIONS

Cornell ACSU   Ithaca, NY
Academic Officer   *October 2019 – Present*
- Organized academic events for students interested in computer science
- Led collaboration with Cornell AppDev to increase outreach with an iOS workshop

SKILLS & INTERESTS

Skills: Python, TypeScript, JavaScript, Java, C#, Swift, OCaml, HTML and SQL
Interests: Snowboarding, meditating, tennis, podcasts and running