

# KEVIN CHEN

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## EDUCATION

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**New York University** Tandon School of Engineering, New York, NY

*Expected Grad: May 2022*

- Bachelor of Science, Computer Science, Minor: Cyber Security, Business Studies
- GPA: 3.5
- Relevant Coursework: Data Structures & Algorithms · Object-Oriented Programming · Linear Algebra · iOS

## SKILLS

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- **Programming:** (Advanced) Python · Swift · Java | (Basic) C++ · JavaScript · HTML/CSS
- **Software:** Git · Bash · XCode · Google Cloud Platform · Firebase · AWS
- **Platforms:** Arduino & Raspberry Pi (IoT) · iOS App Development · Windows · macOS · Linux

## EXPERIENCE

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**Intro to Engineering and Design**, Brooklyn, NY

*September 2019 – Present*

*Teaching Assistant*

- Work with first-year students in Open Lab sessions for introductory cornerstone engineering course (EG1003)
- Mentor 3-student groups on semester-long design projects (Rapid Assembly and Design Challenge)

**NYU-X Research Lab**, New York, NY

*May 2019 – August 2019*

*Research Fellow*

- Assisted in research project to develop robot-based learning system using OptiTrack motion capture system, Python, and iOS app to teach geometry to middle-school children at NYU-X Lab, in collaboration with NYU-IT
- Assisted in research project to utilize computer vision for individuals with dementia to get dressed

## PROJECTS

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**SiteSeer**, NYU EG1003 RAD Project

*January 2019 – May 2019*

- Configured Google Cloud & Camera/Sensors to operate on Raspberry Pi to provide feedback such as using image recognition and utilized Google Cloud APIs: AutoML, Speech, Storage, Maps Directions
- Created iOS App to obtain GPS location from the phone, provide live-feed, speech services (speech-to-text to get destination from user, text-to-speech to give user instructions) using Python

**Tangible Activities for Geometry**, NYU-X Lab Research Project

*May 2019 – August 2019*

- Developed functioning interface for robotic-assisted geometry system using Python & MQTT by designing iOS mobile application and integrating RabbitMQ and OptiTrack Motion Capture at NYU-X lab

**Carbon Footprint**, HackRPI 2019

*March 2019*

- iOS app to graphically display user's contribution to depleting Earth's natural resources using Google Cloud, Swift, and Apple CoreML to keep tabs on food, gas/electricity bills, and form of transportation

## ACTIVITIES

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- **NYU VIP Self-Drive:** Work with perception team to implement computer vision to develop a self-driving car
- **CS Tutor:** Tutor students in Python (CS 1114) and Data Structures & Algorithms (CS1134)
- **PolyBots:** Utilize Arduino & Raspberry Pi to build mini-robots for friendly competitions

## AWARDS

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- **TechFestival Hackathon 2019:** 1<sup>st</sup> (out of 18 teams) at largest CUNY hackathon & Best Google Cloud Hack
- **NYU EG1003 RAD Project 2019:** 2<sup>nd</sup> (out of 25 teams) & Nick Russo Award Winner for Outstanding Design