

Ziyao Cheng

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Education

Cornell University, College of Engineering

Ithaca, NY

Bachelor of Science in Electrical and Computer Engineering, minor in Economics

Expected May 2022

GPA: 3.83

Related Courses: Obj-Oriented Programming & Data Structure, Introduction to Circuit, Intro to iOS Development, Intermediate Microeconomics, Differential Equation

Research and Project Experience

RF Circuit Research Project

April 2019 - Present

Professor Molnar's Research Group

Cornell University

- Deal with high frequency output of the circuit
- Analyze data and find optimization for designed chips

Secret Application Development

February 2019 - May 2019

iOS Development Project

Cornell University

- Develop the app using Swift
- Collaborate with backend using Alamofire and use Google Firebase to create log in and messaging system
- Contains UITabBarController, UITableView, UICollectionView and so on

Work Experience

TechX Academy

Shanghai, China

Academic Lead

April 2019 - Present

- Held recitations on the mathematical details covered in the 10-day course Robotics
- Collaborate with Professor to held office hours and set up problem sets
- Design the TechX program: Help with the course design, instructor search, infrastructure construction

Cornell Computer Science Course Staff

Ithaca, USA

Consultant

January 2019 - Present

- Assisted students with coursework for CS 1112: Introduction to Computing using MATLAB
- Collaborate with Professor to held consulting hours and graded problem sets and exams

Cornell International Ambassador

Ithaca, USA

Member

September 2018 - Present

- Collaborate with teams to create livestream video and web chats for 300+ audience
- Answer questions about Cornell for high school students in other countries

Skills and Interests

Computer Languages: Python, Matlab, Java, Swift, Excel

Skills: Mathematical Modeling, Translation, Writing, Leadership

Language: Fluent in Chinese and English, Intermediate German