

Xilei Zhu

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Education

Georgia Tech

Bachelor's Degree
Industrial and Systems Engineering

Atlanta, GA
Jan/2020 - May/2023

Virginia Tech Honors College

GPA:3.79/4.0
Industrial and Systems Engineering

Blacksburg, VA
Aug/2019 - Dec/2020

Research & Intern & Other Experience

Business Development Intern

China Telecom Americas
Assisting regional managers to plan and implement on and off-campus events
Increasing brand awareness through online promotions on different social media platforms

Online

June/2020 - Present

UG Research: Augmented Perception to Support Use of Whole-body Exoskeletons

Virginia Cognitive System Engineering, Virginia Tech
Conducting a user study with VR googles
Developing motion capture capabilities for Unity-based visualization platform

Blacksburg, VA

Sept/2020 - Dec/2020

3hours/week

Co-Founder

LEGO User Group, Virginia Tech
Designed the club logo and make the year-plan

Blacksburg, VA

Oct/2019 - Dec/2020

Hackathon & Projects

PENNAPPS 2020

Corona Helping Hands – A donation website for hospitals struggle with PPE shortages amid new COVID-19 surges
Team Member; Proposed the main idea; Built the front-end webpage

Online

Sept/2020

36hours

MedHacks 2020

Mementos - an app that addresses the intersection of memory loss, loneliness, and inexperience with technology among the elderly.
Team Member; Proposed the main idea; Designed Team Logo; Demo video editing

Online

Sept/2020

36hours

THE HACK 2020

Curiosity- A platform for smart refrigerators. Contains Android, Monitor and different Sensors.
Team Founder & Leader; Coordinate each member's work; Propose the idea of smart platform

Online

July/2020

30hours

Vandyhacks Summer Edition

LiveLinePlus - A web app that helps people chasing, self-checking and reporting COVID-19 cases.
Team Member; Responsible for the front-end web and database development and the roadshow

Online

July/2020

36hours

HACK SC 2020

Persist - A smart Home platform based on Google Home.
Team Member; Responsible for using the Google Dialogflow to create a robot that improves people's mental health

Los Angeles, CA

Feb/2020

48hours

THE HACK 2019

Master-Yao Ji - A kind of smart pillbox that could remind old people to take medicine in time and automatically dispenses each dose.
Team Founder & Leader; proposed the main idea; built the demo using IoT hardware

Shanghai, China

July/2019

24hours

Robotics

'Infantry' Project Operation

RoboGrinder, Virginia Tech
Coordinating the progress with other projects

Blacksburg, VA

Sept/2020 - Dec/2020

12hours/week

Mechanical Group Member

RoboGrinder, Virginia Tech
Designed, manufactured, and tested the robots

Blacksburg, VA

Sept/2019 - July/2020

Electric Department Mentor of Team 7146

Shenzhen RDF School
Provided online & onsite electric guidance

Shenzhen, China

Apr/2019 - July/2019

2hours/week

Co-Founder of FIRST Robotics Competition Team 7586

Hangzhou Foreign Language School
Leader of electric and pneumatic divisions; designed team posters and online promotions

Hangzhou, China

July/2018 - Mar/2019

8hours/week

PATENT

A kind of electromagnetic shielding cable that applied on robot
CN209607440U

CHINA Nov/2019

Awards

PENNAPPS 2020 Best Use of Google Cloud – COVID – 19 Hackathon Fund

Sept/2020

THE HACK 2020 Phase 1 Team Winner

July/2020

Virginia Tech Tech Together Campaign Phase 1 Team Winner

July/2020

Virginia Tech Innovation in Chemical Education—Evaluation Fellow

Nov/2019

2019 Off-Season FRC Competition – Hangzhou, Best Quality Award

July/2019

Skills

Java, Python, HTML, SolidWorks, Google Cloud Platform