

Xilei Zhu

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Education

Georgia Tech

Bachelor's Degree
Industrial and Systems Engineering

Atlanta, GA
Jan/2021 - Present

Virginia Tech Honors College

GPA:3.79/4.0
Industrial and Systems Engineering

Blacksburg, VA
Aug/2019 - Dec/2020

Research & Intern & Other Experience

Campus Business Development

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
Designing the User Interface for VR googles by using Unity
Helping graduate student to collect data from volunteers

Blacksburg, VA
Sept/2020 - Dec/2020

Co-Founder

LEGO User Group, Virginia Tech

Designed the club logo and make the year-plan

Blacksburg, VA
Oct/2019 - Dec/2020

Robotics

'Infantry' Project Operation

RoboGrinder, Virginia Tech

Coordinating the progress with other projects by weekly meeting with group members
Built the team database for new member training on the Google Drive
Wrote using manual for mechanical devices
Responsible for managing and fixing team properties including mechanical devices
Manage the time schedule for each sub-project to use the warehouse during the COVID-19
Adding the "standard deviation" and "T-distribution" to the ballistic test software(Python)

Blacksburg, VA
Sept/2020 - Dec/2020

Mechanical Group Member

RoboGrinder, Virginia Tech

Helping on designing robots' chassis with SolidWorks
Manufacturing robots by using mini-CNC machines
Testing different functions of robots

Blacksburg, VA
Sept/2019 - July/2020

Hackathon & Projects

PENNAPPS 2020

Corona Helping Hands – A donation website for hospitals struggle with PPE shortages amid new COVID-19 surges
Proposed the main idea; Built the front-end webpage by using HTML and CSS language.

Online
Sept/2020

MedHacks 2020

Mementos - iOS app that addresses the intersection of memory loss, and inexperience with technology.
Proposed the main idea, designed the Team Logo, and editing Demo video

Online
Sept/2020

Tech Together Campaign

TRAC: Tracking Risk and Analytics of Covid-19

Responsible for 3D modeling & investigating feedback from clients
Responsible for some part of the front-end webpage with HTML

Online
July/2020

THE HACK 2020

Curiosity- A platform for smart refrigerators. Contains Android, Monitor and different Sensors.
Team Founder & Leader; Proposed the functional design of the refrigerator

Online
July/2020

Vandyhacks Summer Edition

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

Online
July/2020

HACK SC 2020

Persist - A smart Home platform based on Google Home.

Responsible for using the Google Dialogflow to create a robot that improves people's mental health

Los Angeles, CA
Feb/2020

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