

Xilei Zhu

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Education

Georgia Tech

Bachelor's Degree GPA:4.0/4.0
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

UG Research: 3D Printing and printed electronics

Georgia Tech Manufacturing Institute, Georgia Tech
Using the Aerosol Jet printer to print circuits on the wafer.

Atlanta, GA
Mar/2021 - Present

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 students to collect data from volunteers.

Blacksburg, VA
Sept/2020 - 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 Google Drive.
Wrote user manual for mechanical devices.
Responsible for managing and fixing team properties, including mechanical devices.
Managed the time schedule for each sub-project to use the warehouse during the COVID-19.
Added the "standard deviation" and "T-distribution" to the ballistic test software (Python).

Blacksburg, VA
Sept/2020 - Dec/2020

'Infantry' Project Mechanical Group Member

RoboGrinder, Virginia Tech
Helping on designing robots' chassis with SolidWorks.
Manufacturing robots by using mini-CNC machines.
Helping on Ballistic test and Chassis endurance test.

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 parts 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 Google Dialogflow to create a robot that improves people's mental health.

Los Angeles, CA
Feb/2020

Awards

Dean's List with Presidents Distinction standing for the Fall Semester, 2020.

Jan/2021

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

Skills

SolidWorks, Google Cloud Platform, Python, Java, HTML,