

Xilei Zhu

zhuxilei511@gmail.com

<https://www.linkedin.com/in/xilei-zhu-4a0710144/>

+1(540)257-2620

Education

Georgia Tech

Bachelor's Degree
Industrial and Systems Engineering

Atlanta, GA
Jan/2021 - Present

Virginia Tech Honors College

Transferred Out
Industrial and Systems Engineering

Blacksburg, VA
Aug/2019 - Dec/2020

Research & Intern & Other Experience

Hardware Product Manager Intern

Dali Intelligence, ByteDance

Shanghai, CN
July/2021 - Present

*Led the research on Amazon Fire tablet kids Editions
Assisted in e-ink education hardware market research
Assisting with neural network eye protection dimming algorithm
Participating in pre-launch user testing of new products*

UG Research: 3D Printing and printed electronics

Georgia Tech Manufacturing Institute, Georgia Tech

Atlanta, GA
Mar/2021 - May/2021

Used the Aerosol Jet printer to print circuits on the wafer.

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

Virginia Cognitive System Engineering, Virginia Tech

Blacksburg, VA
Sept/2020 - Dec/2020

*Conducted a user study with VR goggles
Designed the User Interface for VR goggles by using Unity.
Helped graduate students to collect data from volunteers.*

Robotics

'Infantry' Project Operation

RoboGrinder, Virginia Tech

Blacksburg, VA
Sept/2020 - Dec/2020

*Coordinated 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).*

'Infantry' Project Mechanical Group Member

RoboGrinder, Virginia Tech

Blacksburg, VA
Sept/2019 - July/2020

*Designed robots' chassis with SolidWorks.
Manufactured robots by using mini-CNC machines.
Helped on Ballistic test and Chassis endurance test.*

Hackathon & Projects

PENNAPPS 2020

Corona Helping Hands – A donation website for hospitals struggle with PPE shortages amid new COVID-19 surges.

Online
Sept/2020

Proposed the main idea; Built the front-end webpage by using HTML and CSS language.

MedHacks 2020

Mementos – An iOS app that addresses the intersection of memory loss, and inexperience with technology.

Online
Sept/2020

Proposed the main idea, designed the Team Logo, and editing Demo video.

Tech Together Campaign

TRAC: Tracking Risk and Analytics of Covid-19

Online
July/2020

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

THE HACK 2020

Curiosity- A platform for smart refrigerators. Contains Android, Monitor and different Sensors.

Online
July/2020

Team Founder & Leader; Proposed the functional design of the refrigerator.

Vandyhacks Summer Edition

LiveLinePlus - A web app that helps people chasing, self-checking and reporting COVID-19 cases.

Online
July/2020

Responsible for the front-end web and database development.

HACK SC 2020

Persist - A smart-home platform based on Google Home.

Los Angeles, CA
Feb/2020

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

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

Skills

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