Xilei Zhu

zhuxilei511@gmail.com

https://www.linkedin.com/in/xilei-zhu-4a0710144/   +1(540)257-2620

Education

Georgia Tech

Bachelor's Degree   Atlanta, GA
Industrial and Systems Engineering   *Jan/2021 - Present*

Virginia Tech *Honors College*

GPA:3.79/4.0   Blacksburg, VA
Industrial and Systems Engineering   *Aug/2019 - Dec/2020*

Research & Intern & Other Experience

Campus Business Development   Online
China Telecom Americas   *June/2020 - Present*
> *Assisting regional managers to plan and implement on and off-campus events.*
> *Increasing brand awareness through online promotions on different social media platforms.*

UG Research: Augmented Perception to Support Use of Whole-body Exoskeletons Blacksburg, VA
Virginia Cognitive System Engineering, Virginia Tech   *Sept/2020 - Dec/2020*
> *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.*

Co-Founder   Blacksburg, VA
LEGO User Group, Virginia Tech   *Oct/2019 - Dec/2020*
> *Designed the club logo and make the year-plan.*

Robotics

'Infantry' Project Operation   Blacksburg, VA
RoboGrinder, Virginia Tech   *Sept/2020 - Dec/2020*
> *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 user 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).*

Mechanical Group Member   Blacksburg, VA
RoboGrinder, Virginia Tech   *Sept/2019 - July/2020*
> *Helping on designing robots' chassis with SolidWorks.*
> *Manufacturing robots by using mini-CNC machines.*
> *Testing different functions of robots.*

Hackathon & Projects

PENNAPPS 2020   Online
Corona Helping Hands – A donation website for hospitals struggle with PPE shortages amid new COVID-19 surges   *Sept/2020*
> *Proposed the main idea; Built the front-end webpage by using HTML and CSS language.*

MedHacks 2020   Online
Mementos - iOS app that addresses the intersection of memory loss, and inexperience with technology.   *Sept/2020*
> *Proposed the main idea, designed the Team Logo, and editing Demo video.*

Tech Together Campaign   Online
TRAC: Tracking Risk and Analytics of Covid-19   *July/2020*
> *Responsible for 3D modeling & investigating feedback from clients.*
> *Responsible for some part of the front-end webpage with HTML.*

THE HACK 2020   Online
Curiosity- A platform for smart refrigerators. Contains Android, Monitor and different Sensors.   *July/2020*
> *Team Founder & Leader; Proposed the functional design of the refrigerator.*

Vandyhacks Summer Edition   Online
LiveLinePlus - A web app that helps people chasing, self-checking and reporting COVID-19 cases.   *July/2020*
> *Responsible for the front-end web and database development.*

HACK SC 2020   Los Angeles, CA
Persist - A smart Home platform based on Google Home.   *Feb/2020*
> *Responsible for using the Google Dialogflow to create a robot that improves people's mental health.*

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