

XILEI ZHU

564 Centennial Olympic Park Dr NW, Atlanta, GA 30313 | xileizhu@gatech.edu | (540)257-2620 | [linkedin.com/in/xilei-zhu](https://www.linkedin.com/in/xilei-zhu)

EDUCATION

Georgia Tech Bachelor of Industrial Engineering	Jan. 2021 - Present
Virginia Tech Industrial Engineering, Honors College	Sep. 2019 - Dec. 2020

WORK EXPERIENCE

ByteDance, China	Associate Product Manager Intern	July. 2021 - Dec. 2021
<ul style="list-style-type: none">Reduced the new product cost by more than 10% by designing and executing experiments for key components design and functional verification, including the camera sensor's FOV, depth of focus, and placement(height, angle, horizontal or vertical)Cooperated with the User Research Team to do market research on new form products and user interviews for Dali-lamp T6 seriesCooperated with the Operation Team to do user testing and interview(20 families) for pre-launch of Dali-lamp Y6		

UNDERGRADUATE RESEARCH/PROJECT

Airplane Repair with Composite Materials	Research Student	Mar. 2022 - Present
<ul style="list-style-type: none">Doing tests and data analysis on the use of space-grade carbon fiber for aircraft repair		
Agile Communication Architectures	Hardware Team Member	Jan. 2022 - May. 2022
<ul style="list-style-type: none">Got to know the experiment design and algorithm of indoor MIMO localization and conducted a report for next semester's experiment.		
3D Circuits Printing	Hardware Team Member	Jan. 2022 - May. 2022
<ul style="list-style-type: none">Helping PhD student on circuit printing to find the best liquid for different base materials		
Augmented Perception to Support Use of Whole-body Exoskeletons	Research Student	Sep. 2020 - Dec. 2020
<ul style="list-style-type: none">Conducted a user study(15 students) with VR gogglesDesigned a User Interface for use case of Whole-body Exoskeletons by using Unity		
Virginia Tech RoboGrinder Club	'Infantry' Project Operator	Sep. 2020 - Dec. 2020
<ul style="list-style-type: none">Coordinated the progress with other projects by weekly meeting with group membersBuilt the team database for new member training on Google DriveWrote user manual for mechanical devicesManaged the time schedule for each sub-project to use the warehouse during the COVID-19		
Virginia Tech RoboGrinder Club	'Infantry' Project Mechanical Group Member	Sep. 2019 - Jul. 2020
<ul style="list-style-type: none">Designed robots' chassis with SolidWorks.Manufactured robots by using mini-CNC machines.Conducted Ballistic test and Chassis endurance test.		

HACKATHON

PENNAPPS 2020	- Best Use of Google Cloud – COVID – 19 Hackathon Fund	Sep. 2020
Corona Helping Hands – A donation website for hospitals struggle with PPE shortages amid new COVID-19 surges.		
<ul style="list-style-type: none">Proposed the main idea, and built the front-end website by using HTML and CSS language.		

SKILLS

Programming Languages	R, Python, SQL, Java, HTML
Software	MATLAB, SolidWorks, AE, PS