XILEI ZHU

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EDUCATION

Georgia Tech   Jan. 2021 - Present
Bachelor of Industrial Engineering

Virginia Tech   Sep. 2019 - Dec. 2020
Industrial Engineering, Honors College

WORK EXPERIENCE

ByteDance, China   *Associate Product Manager Intern*   July. 2021 - Dec. 2021
· 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 series
· Cooperated 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
· 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
· Got to know the experiment design and algorithm of indoor MIMO localization and conducted a report for next semester's experiment.

3D Circuits Printing   *Research Student*   Jan. 2022 - May. 2022
· 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
· Conducted a user study(15 students) with VR goggles
· Designed a User Interface for use case of Whole-body Exoskeletons by using Unity

Virginia Tech RoboGrinder Club   *'Infantry' Project Operator*   Sep. 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
· Managed 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
· 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.
· 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