

# Jaehyung (Tyler) Shin

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

Bachelors of Science in Biomedical Engineering

Jan 2022 - May 2024

- Pursuing pre-med track with the current major
- Coursework in Conversation Principle in BME, Chemistry, Chemistry, Computer Science, and Statistics
- *Cumulative GPA: 4.0 / 4.0*

### Purdue University

West Lafayette, IN

Bachelors of Science in Mechanical Engineering

Aug 2019 - Dec 2021

- Coursework in Math, Computer Science, Computer Graphics, Material Science, Statics, Dynamics, Thermodynamics, English, Philosophy, Electrical Circuits, Mechanical Engineering Design, and Mechanics of Materials
- Transferred to Georgia Tech during the Junior year of this degree
- *Cumulative GPA: 3.91 / 4.0*

## AWARDS & HONORS

- Dean's List of Students and Semester Honors at Purdue University: 2019 Fall & 2020 Spring & 2020 Fall & 2021 Fall (Earned GPA higher than 3.5 per semester and 3.0 cumulative)
- Inducted in July 2020 into Alpha Lambda Delta Phi Eta Sigma, National Honor Society for First Year Students in College

## WORK EXPERIENCE

### Beflex Inc.

Daejeon, South Korea

Supervisor: Changkeun (Jay) Jung, Co-Founder and CEO of Beflex Inc.

Jan 2021 - Jul 2021

#### Research Intern

- Worked on research, clinical testing, marketing, and currently managing consumer service and QC
- Assisted lab experiment related to running and biomechanics by managing motion capture camera and marker using Cortex, force plate, and treadmill.
- Managed lab experiment with Seoul National University Bundang Hospital regarding clinical testing
- Structured project related to healthcare utilizing Beflex's main product, Beflex Coach
- Structured biomechanics and medicine research project and related clinical testing steps

### General Electric (GE) Inspection Robotics

Zurich, Switzerland

Supervisor: Dr. Ekkehard Zwicker, CEO of GE Inspection Robotics

Aug - Aug 2018

#### Student Intern

- Inspected and driven robots going to be sent to manufacturing companies and analyzed market trend and competitive product of GE Inspection Robotics

## DESIGN & RESEARCH EXPERIENCE

### Enzyme Data Algorithm Development

Purdue University West Lafayette Campus

Transforming Ideas to Innovation II by Purdue University

Mar - May 2020

- Led one of the research groups in class
- Improved evaluation method for performances of enzymes with accuracy
- Developed MATLAB code to minimize error in data analysis for evaluating enzyme performances
- Tested sample data to ensure accuracy and quality of result

### The Third and Russell Street Project

Purdue University West Lafayette Campus

Transforming Ideas to Innovation I by Purdue University

Oct - Dec 2019

- Searched for new method to prevent accidents at busy intersections shared by motorists and pedestrians
- Designed 3D Model of final product fulfilling client's needs and wants
- Analyzed data collected from people using Microsoft Excel and weighted criteria to decide final product

## SKILLS

### Programming Language

C, MATLAB

### CAD / 3D Modeling

CATIA, Fusion 360

### Documents

Microsoft Excel, Word, PowerPoint