

# Jiwon Choi

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## EDUCATION

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- University of Pittsburgh**, Pittsburgh, PA **08/21-Current**
- Ph.D, in Bioengineering, Neural Engineering track
- Purdue University**, West Lafayette, IN **08/16 - 05/21**
- Bachelor of Science in Biological Engineering, with Cellular and Biomolecular concentration
  - Minor in Biotechnology
- Honors**
- Purdue Dean's List & Academic Honors **08/16 - 05/21**
  - National Academy of Future Scientists and Technologists Award of Excellence **Awarded 05/16**

## RESEARCH EXPERIENCE

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- University of Pittsburgh**, Pittsburgh, PA **08/21 - Current**  
*Graduate Student Researcher, Schwerdt Lab (Advisor: Helen Schwerdt)*
- Research in relationship between emotionally regulated learning skills and the role of dopamine
- Purdue University**, West Lafayette, IN **01/20 – 05/21**  
*Undergraduate Researcher, Laboratory of Implantable Microsystems Research (Advisor: Hugh Lee)*
- Participated in a project for the evaluation of nanostructure in anti-inflammation
  - Used Image J to conduct a platform for analyzing the effect of the nanostructure on anti-inflammation
  - Learned the process of preparation and performance for animal testing in lab
  - Partnered with postdoctoral scholar in completing a review paper for fouling of biosensors
  - Used EC-Lab software for square wave voltammetry in biosensor sensitivity research and performed data analysis based on research outcomes
  - Learned how to design and print different types of biosensor prototypes using automated dispensing system
- Undergraduate Researcher, Laboratory of Renewable Resources Engineering (Advisor: Michael Ladisch) Spring 2018*
- Oversaw the HPLC systems in the laboratory by ensuring mobile phase status and column conditions

## WORK EXPERIENCE

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- Krach Leadership Center**, West Lafayette, IN **08/19 – 05/21**  
*Building Manager*
- Coordinated scheduling and information guidance for students and visitors
  - Organized building space for scheduled events, such as conferences or student organization events
  - Partnered with other building managers to ensure building safety
  - Monitored students following CDC guidelines for campus safety
- Suhak Eu Moon (Private tutoring institution)**, South Korea **09/18 – 03/19**  
*English & Math tutor*
- Taught English and math to Korean elementary and middle school students after school hours
  - Created main class worksheets and additional materials for students
- Amelia's (Starbucks)**, West Lafayette, IN **09/16 – 05/18**  
*Barista/Cashier/Clerk*

## ACTIVITIES

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- Jungtap Community Center**, South Korea **Summer 2019**  
*Lead Volunteer as Math tutor*
- Designed overall math classes for students on all levels and conducted classes
  - Created class materials relevant to math and supplemental worksheets for enhanced learning
- Society of Women Engineering**, West Lafayette, IN **Fall 2017**  
*Office associate*
- Managed events for organizations and coordinated scheduling or further events
  - Participated as a mentor for incoming freshmen engineering major students, offering both academic advice and general guidance
- Kimberly Clark Project**, West Lafayette, IN **Spring 2017**
- Developed new ideas for trash bins with high efficiency in recycling paper towels with three teammates
  - Designed the prototype on a 3D modeling software and presented in front of the instructor

## AWARD

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- **Department of Bioengineering Bevier Award Recipient**, Pittsburgh, PA **2021-2022**