

Jayjay Jeongjin Park

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Education

Spring 2022 (Expected)	Purdue University – West Lafayette Bachelor of Science in Industrial Management - Computer Science GPA: 3.71/4.0
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Relevant Coursework & Certificates

Certificate	Deep Learning (Jeonju ICT Innovation), Social Media Data Analytics (University of Washington)
Coursework	C-Programming, Discrete Mathematics, Economics, Finance, Linear Algebra, Management Information System, Management Science, Multivariable Calculus, Object-Oriented Programming, Probability, Statistics

Technical Skills

<i>Data Analysis</i>	Excel Solver, Google Cloud Platform (BigQuery), Minitab, NVivo
<i>Programming</i>	C, Git, HTML, Java, Python (AI&ML), R, SQL (AI&ML)
<i>Research-related</i>	LaTeX, Mixed Method, Systematic Review, Thematic Analysis, User Interview

Publications

2021	L. Bosman, J. Park , and N. Hernandez, “If I can measure it, I can improve it: Teaching design & innovation experiences to undergraduate students”, VentureWell Conference (virtual).
2019	A. Toombs, M. Davidge, J. Park , G. Sirko, M. LaPeter, “Algorithmically-Generated Communities: A Case Study”, the 22 nd ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), Austin, Texas, USA, https://doi.org/10.1145/3311957.3359457 A. Toombs, M. Davidge, J. Park , G. Sirko, M. LaPeter, “Algorithmically-Generated Communities: A Case Study”, 2019 Purdue Summer Undergraduate Research Conference, West Lafayette, Indiana, USA. L. Bosman, J. Park , D. Young, K. Arakawa, R. Keilman, C. Rummage, “Aligning Student Design Projects to Government Design Challenges through Collaboration with the Virtual Student Federal Service Program”, 2019 Purdue Spring Undergraduate Research Conference, West Lafayette, Indiana, USA.

Manuscripts under Review

L. Bosman, **J. Park**, “Reading Between the Data Points: Analysis of the VSFS Internship Recruitment Process and Its Implications for Engineering Student Applicants”, American Society of Engineering Education.

T. Yoo, J. Jun, J. Lee, **J. Park**, S. Na, H. Jung, "Toward Building a Difficulty-Based Lecture Recommendation System", the 27th ACM Conference on Intelligent User Interfaces.

Working Papers

A. Lee, **J. Park**, A. Toombs, "Robots on Campus: Don't harass our little boi" Target Conference: ACM Conference on Human Factors in Computing Systems (CHI).

H. Jung, **J. Park**, "Systemic literature review on Chatbot designed to assist chronic patients" Target Conference: ACM Conference on Human Factors in Computing Systems (CHI).

Work Experience

US AGENCY FOR INTERNATIONAL DEVELOPMENT / VIRTUAL STUDENT FEDERAL SERVICE

- 1/2019 – 5/2019
Virtual Intern
- Designed a new prototype of the USAID's Development Experience Clearinghouse utilizing InVision for the concept design and Wix for the system construction
 - Visualized its database to increase usability of archived diplomatic documents

PURDUE UNIVERSITY ATHLETICS / PURDUE UNIVERSITY

- 4/2019 – 9/2019
Academic Tutor
- Assisted and tutored student athletes for MGMT 200 (Introductory to General Accounting)

Research Experience

STARSHIP (FOOD DELIVERY ROBOT) PROJECT / PURDUE UNIVERSITY

- 5/2020 – Current
Co-Author
- Conducted thematic analysis for the qualitative data (text, image, video) crawled from the Reddit to research on the social acceptance of the food delivery robot
 - Researching on existing literatures and drafting literature review for the paper

HUMAN CENTERED ARTIFICIAL INTELLIGENCE LAB / UNIVERSITY OF SEOUL

- 3/2021 – 7/2021
Research Intern & Co-Author
- Conducted a systematic review on papers that designed or developed chatbots to assist chronic patients starting from applying PRISMA guidelines (5 different databases) to finding content for the result and discussion section
 - Co-authored a paper on a recommendation algorithm for deep-learning education YouTube videos by writing both the literature review and design implication section of the paper that was submitted to the ACM Intelligent User Interfaces (IUI) conference

IAGREE LAB / DISCOVERY PARK UNDERGRADUATE RESEARCH, PURDUE UNIVERSITY

- 1/2019 – 3/2021
Research Intern & Co-Author
- Calculated the Pearson correlation coefficient of the themes created using NVivo with the applicant quantity to study government internship recruitment procedure
 - Drafted introduction, method and result section of the paper under review for the 2022 American Society for Engineering Education
 - Analyzed thousands of diplomatic documents in database from 1990 to 2010 through Postman (API) and Excel in a governmental design project initiated by the US Agency for International Development

COMMUNITY-COMPUTER INTERACTION LAB / DISCOVERY PARK UNDERGRADUATE RESEARCH, PURDUE UNIVERSITY

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| 6/2019 – 8/2019
Research Intern &
Co-Author | <ul style="list-style-type: none">○ Published a short paper on the 22nd ACM Conference on Computer Supported Cooperative Work (CSCW) in 2019○ Conducted a case-study on algorithmically generated groups from the website, the100.io that generates groups of 100 users based on their demographic data○ Implemented thematic analysis on the website's and groups' qualitative data and by interviewed users |
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Projects

DEEP REINFORCEMENT LEARNING PROJECT / MATH DEPARTMENT, PURDUE UNIVERSITY

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| 1/2022 – Current
Project Assistant | <ul style="list-style-type: none">○ Designing a deep reinforcement agent using RLax and Haiku libraries from DeepMind JAX Ecosystem under the supervision of Professor Guang Lin |
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FORECASTING PRICE OF CRYPTOCURRENCY / MGMT 382, PURDUE UNIVERSITY

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| 11/2021 – 12/2021
Team Member | <ul style="list-style-type: none">○ Developed a cryptocurrency price forecasting model by implementing ARIMA Model in SQL using BigQuery of Google Cloud Platform |
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10-WEEK HACKATHON / NEXT GENERATION CODERS NETWORK

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| 11/2021 – 12/2021
Team Member | <ul style="list-style-type: none">○ Created and presented a prototype of a website to provide information on COVID-19 for people in the Middle East with overseas college students. |
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PURDUE ELECTRIC RACING / PURDUE UNIVERSITY

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| 2/2020 – 4/2020
Business Team | <ul style="list-style-type: none">○ Initiated branding process by creating a new prototype of website design, logo○ Gathered and analyzed the other team's sponsors list in order to reach out to our potential sponsor |
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Volunteer

THE 23RD INTERNATIONAL SIGASSET CONFERENCE ON COMPUTERS AND ACCESSIBILITY

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| 8/2021 – 10/2021
Student Volunteer | <ul style="list-style-type: none">○ Assisted in conference preparation such as confirming the submitted materials, managing discord channel and assisting participants register |
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MASSACHUSETTS GENERAL HOSPITAL

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| 1/2018 – 7/2018
Medical Volunteer | <ul style="list-style-type: none">○ Discharged patients and assisted patients, doctors and staffs at Yawkey Building (Outpatient Department) |
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VOLUNTEER MOROCCO

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| 12/2016 – 2/2017
Medical Volunteer | <ul style="list-style-type: none">○ Set and operated interim rural clinics at Agadir(Morocco) with Moroccan doctors○ Measured blood glucose and blood pressure to perform basic medical diagnosis. |
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Awards

JEONJU ICT INNOVATION ARTIFICIAL INTELLIGENCE KAGGLE COMPETITION / JEONJU ICT INDUSTRY PROMOTION AGENCY

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| 12/2020 | <ul style="list-style-type: none">○ Received scholarship and award for creating a supervised learning model that classified multiple types of poker hand with TensorFlow |
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