

Jayjay Jeongjin Park

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Education

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| 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

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| 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

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| <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

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| 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 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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