

YUKI UENO

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EDUCATION

- 2025.01 – **Ph.D. in Computer Science, Arizona State University** Tempe, AZ
- Advisor: Prof. Chris Bryan
- 2017.04 – 2019.03 **M.Eng. in Electrical Engineering, Kyoto University** Japan
- Thesis: "Analysis of Exploration Behavior in Graph Drawing Based on Physiological Information"
- Advisors: Prof. Koji Koyamada and Prof. Hiroaki Natsukawa
- 2013.04 – 2017.03 **B.Eng. in Electrical and Electronic Engineering, Kyoto University** Japan
- Thesis: "Modeling Machine Manipulation and Structuring Experience Videos Focusing on Differences in Skill Level"
- Advisor: Prof. Yuichi Nakamura

PROFESSIONAL EXPERIENCES

- 2019.04 – 2024.12 **Software Engineer, DENSO Corporation** Japan
(DENSO Corporation is one of the world's leading automotive system suppliers)
- 2024.04 – 2024.12 Software Engineer in Cloud Services R&D Div.
- Develop backend and frontend software for [yuricargo](#)
- 2023.04 – 2024.03 Software Process Improvement Engineer in Woven by Toyota
- Developed software verification process standards for Arene OS in an international team
- 2019.04 – 2023.03 Data Engineer & BI Engineer in Software Production Innovation Div.
- Developed a data analysis platform for software development management to support data-driven decision-making with various technologies, including Python, SQL, Tableau, and AWS
- Developed a visualization system with ELK Stack to monitor application log data

PUBLICATIONS

JOURNAL

- 2024 [Yuki Ueno](#), Hiroaki Natsukawa, and Koji Koyamada. "Do Boxes Affect Exploration Behavior and Performance in Group-in-a-box Layouts?" *Journal of Visualization*, 2024. <https://link.springer.com/article/10.1007/s12650-024-01037-2>
- 2019 [Yuki Ueno](#), Hiroaki Natsukawa, Nozomi Aoyama, and Koji Koyamada. "Exploration behavior of group-in-a-box layouts." *Journal of Visual Informatics* (also proc. *PacificVAST*), Vol. 3, No. 1, pp. 38-47, 2019. <https://www.sciencedirect.com/science/article/pii/S2468502X19300208>

REFEREED FULL-LENGTH CONFERENCE PAPERS

- 2019 Nozomi Aoyama, Yosuke Onoue, [Yuki Ueno](#), Hiroaki Natsukawa, and Koji Koyamada. "User Evaluation of Group-in-a-Box Variants." In Proc. *IEEE PacificVis*, pp. 127-136, 2019. <https://ieeexplore.ieee.org/document/8781570>

SYMPOSIUM PAPERS

- 2018 [Yuki Ueno](#), Hiroaki Natsukawa, Nozomi Aoyama, Koji Koyamada. "Task Performance Classification During Visualization Evaluations Based on Physiological Signals." *VizAfrica 2018 Visualization Symposium*, 2018.
- 2018 Nozomi Aoyama, [Yuki Ueno](#), Koji Koyamada. "A Computational Evaluation of Eye-Tracking Measures in Group-in-a-Box Layouts." *VizAfrica 2018 Visualization Symposium*, 2018.

RESEARCH EXPERIENCES

2017.04 – 2019.03	Visualization Lab, Kyoto University Domain: Visualization, Human-Computer Interaction, Cognitive Science Advisors: Prof. Koji Koyamada and Prof. Hiroaki Natsukawa - Investigated the behavioral patterns while interacting with graph drawings based on physiological signals - Compared performance of several graph-drawing methods based on user experiments	Japan
2018.01 – 2018.02	AI Lab, DENSO Corporation Domain: Human Machine Interface, Cognitive Science Advisor: Dr. Fumihiko Murase - Investigated the relationship between subjects' emotions and physiological responses experienced while watching a video	Japan
2016.04 – 2017.03	Nakamura Lab, Kyoto University Domain: Computer Vision, Human Sensing Advisor: Prof. Yuichi Nakamura - Modeled manipulation of a sewing machine to automatically create a meaningful instructional manual from experience videos	Japan

TEACHING EXPERIENCES

2018.04 – 2018.07	ILAS Seminar in Visualization Lab, Kyoto University (The ILAS Seminar is one of the Liberal Arts and Sciences Courses mainly for new undergraduate freshmen, taught in a small-group seminar format conducted by professors. The seminar topics included methods for data analysis of multidimensional data.) Teaching Assistant	Japan
2017.10 – 2018.01	Visualized Simulation Technology, Kyoto University (Graduate Course) Teaching Assistant	Japan
2017.04 – 2017.07	Spacio-temporal Data Analysis for Multimedia, Kyoto University (Graduate Course) Teaching Assistant	Japan

ACADEMIC SERVICE

2018	Workshop Organizer, Cyber Field Work 2018 at Kyoto University
2018	Exhibitor Booth Personnel, SC 2018
2018	Student Volunteer, PacificVis 2018
2017	Exhibitor Booth Personnel, SC 2017

CERTIFICATIONS

2021	AWS Certified SysOps Administrator – Associate
2021	AWS Certified Solutions Architect – Associate
2020	AWS Certified Cloud Practitioner
2020	Applied Information Technology Engineer (Certification in Japan)

SKILLS

Languages	HTML/CSS, JavaScript/TypeScript, Python, Dart, C, SQL, MATLAB
Libraries	React, D3.js, Next.js, Django, Flutter
Tools	Tableau, Power BI, Kibana, Elasticsearch