Summary of Accomplishments (August 2019)

Gene received his PhD degree in 2015 from UT Austin and has been in the academic career for 4 years (first 2 years in UT Arlington and recent 2 years at UBC). His accomplishments are described in the order of research, teaching, and service.

Gene's research topics are on the Big Data Analytics in the contexts of social media, online platforms, and cybersecurity. His primary research contribution is to develop Big Data Analytics framework using natural language processing, machine learning, and deep learning to analyze unstructured big data (e.g., text and images). He has published 4 articles in Financial Times 50 journals: 2 articles in *MIS Quarterly (MISQ)*, 1 in *Journal of Management Information Systems (JMIS)*, and 1 in *Journal of Business Ethics*. He also has a solid publication pipeline: 2 papers under revision (both in 3rd round) at *Information Systems Research (ISR)* and 1 paper under review at *Review of Economic Studies*. His research has been recognized in various conferences: Best Paper Award at KrAIS 2017, Best Work-In-Progress Runner-Up Award at WITS 2017, and Best Paper Award Nomination at HICSS 2016.

His research program has been financially supported by various national and industrial grants. In the U.S., he received one research grant from U.S. National Science Foundation (2017-2020; $422,227 USD) and one industry grant from Korea Institute of Science and Technology Information (KISTI) (2017; $66,843 USD). After moving to Canada, he recently received one Canadian federal research fund from Social Sciences and Humanities Research Council (2019-2021; $48,100 CAD), two industry grants from KISTI (2018; $59,000 CAD) and Korea Insurance Research Institute (2018; $12,107 CAD), and three UBC internal grants from Hampton Fund Research Grant (2017-2019; $10,000 CAD), CIDE Small Grants for Innovative Data (2018-2019; $19,200 CAD), and Sauder Exploratory Research Grant (2019-2020; $6,000 CAD).

Gene has made substantial contributions in the teaching side as well, especially in the development of Business Analytics curriculum. He has led the efforts to create the MBA track on Technology & Analytics for Sauder School's MBA program and the Business Analytics Concentration for the undergraduate BCOM program. He created a core MBA course "Fundamentals of Analytics and Technology (BA 515)" and a core MBAN course "Business Analytics Programming (BAIT 508)", and redesigned the existing undergraduate course "Business Programming and Analytics (COMM 337)". He has received Teaching Excellence Award by Commerce Undergraduate Society in 2018. The undergraduate students choose only one faculty instructor in the business school to receive this award.

Even as a junior faculty member, Gene was active in student supervision. He has co-advised one Ph.D. student at UT Austin (now a research scientist at AITRICS) and one Master's student at UBC (now a researcher at Scotiabank). Recently, he started to supervise a Ph.D. student at UBC. In addition, he advised 13 non-thesis Master's students and 5 undergraduate students, who later joined various technology companies such as Apple, Amazon, McKinsey, Electronic Arts, Airbnb, Google, Microsoft, Mozilla, and Royal Bank of Canada.

Lastly, Gene made significant service contributions to the research community and universities. He served in guest editorial boards at *Journal of the Association of Information Systems (JAIS)* Special Issue on "Addressing Societal Challenges through Analytics" and *Decision Support Systems (DSS)* Special Issue on "Location Analytics and Decision Support". He wrote a total of 56 referee reports for various journals: 10 for *MISQ*, 10 for *JMIS*, 7 for *ISR*, 7 for *ECRA*, 3 for *JAIS*, and 3 for *INFORMS Journal of Computing*. In addition, he served as a referee for *Management Science*, *Decision Sciences*, *ACM TMIS*, *Information and Management*, *Information Systems Frontier*, *International Journal of Electronic Commerce*, *Journal of Database Management*, and more.

He served many conference organizing positions: (i) a track chair for DSI 2016, (ii) an AE for ICIS 2017, ICIS 2018, and ICIS 2019, (ii) a session chair for WeB 2015, WITS 2017, KrAIS 2017, and BIGS 2018, (iii) the finance chair for KOCSEA 2016 and KOCSEA 2017, (iv) the web coordinator for WITS 2017, and (v) a PC member for CIST 2015-2019, WITS 2014, 2019, BIGCOM 2015-2016, PACIS 2015-2016, and KrAIS 2016-2019. He was recently nominated for the Best AE Award in ICIS 2019 "Cybersecurity, Privacy and Ethics of IS" Track.

His service contributions in the university are also significant. In UBC, he is currently serving as the chair of Sauder IT Governance Committee (2019-current) and a member for MBAN Analytics Collaboratory Committee (2019-current) and BCOM Review – Curriculum Working Group (2019-current). In UT Arlington, he was a member of Graduate Studies Committee for MSBA program (2016-2017), Non-Tenure Track Position Search Committee (2016-2017), and Departmental Grade Grievance Committee (2016).