LIA JOHANSEN

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EDUCATION

UNIVERSITY OF WASHINGTON — SEATTLE, WA
HUMAN CENTERED DESIGN AND ENGINEERING B.S., Data Science Concentration — *Expected 2021*
- 1 of 15 students directly admitted to major as freshman, 3.60/4.0 GPA, Deans List, Honors Program
- Highlights: Computer Programming, Interaction Design, Informatics, Statistics, Data Science Research

UNIVERSITY OF WASHINGTON — IRELAND
GLOBALIZATION AND BUSINESS STUDY ABROAD SEMINAR — *AUG - SEP 2018*
- Visited 15 companies and focused on global business models, cultural perspectives, and technology innovation

BAINBRIDGE HIGH SCHOOL — BAINBRIDGE ISLAND, WA
DIPLOMA WITH HONORS — *JUN 2017*
- 3.98/4.0 GPA, WA State Honors Award, National Honor Society, Tech Intern, Robotics Leadership Team

TECHNOLOGY LEADERSHIP AND PROJECTS

UW INFORMATICS TECHNICAL FOUNDATIONS (INFO 201) — SEATTLE, WA
VISUAL INTERACTIVE FINAL PROJECT — *DEC 2018*
- Used R to create interactive web application for use by prospective college students
- Extracted, transformed, and loaded (ETL) data and represented through interactive maps, charts, and tables

DESIGN FOR AMERICA UW — SEATTLE, WA
PROJECT LEAD — *SEP 2017 - MAY 2018*
- Led 5-person college team in development of original, wearable technology prototype created on 3D printer
- Planned and conducted user research, ideation, design sprints, UI design specifications, and usability testing
- Communicated user experience with compelling storyboard, task flow diagrams, and UX guidelines

FIRST ROBOTICS TEAM 4915 — BAINBRIDGE ISLAND, WA
SOFTWARE DEVOLOPER LEAD — *SEP 2016 – JUN 2017*
- Led team of 15 Java programmers in development of 4500 lines of code that controlled robot
- Prioritized and helped teammates wrangle and debug code and solved robotic hardware and software issues
- Drove integration testing across 55-member team that resulted in bug-free system and industry awards

RESEARCH

UW HUMAN CENTERED DESIGN AND ENGINEERING — SEATTLE, WA
UNDERGRADUATE RESEARCHER — *SEP 2018 – PRESENT*
- Member of team analyzing large-scale Twitter dataset to compare cultural differences in data privacy perspectives
- Received training on qualitative coding and in process of coding 10,000 tweet dataset using custom code book
- Calculate and analyze test statistics in R to inform future machine learning research decisions

CARLETON COLLEGE — NORTHFIELD, MN
SUMMER COMPUTER SCIENCE INSTITUTE PARTICIPANT — *JUL – AUG 2016*
- Applied research methods, modeled and programmed virtual reality experience in C++ for HTC Vive system
- Manipulated user walking that improved game usability by reducing physical space requirement by 400%

EMPLOYMENT

KING COUNTY WASTEWATER TREATMENT DIVISION — SEATTLE, WA
FINANCE AUDITING INTERN — *JUN – AUG 2018*
- Assisted internal audit team with client interviews, program evaluation, and data analysis
- Created financial reports, scorecards, and interactive dashboards using Oracle Business Intelligence (OBIEE), SQL, and advanced Excel, including pivot tables, custom macros, combined formulas, functions, and data tables

ADDITIONAL INFORMATION

TRAINING: Java, C++, R, SQL, HTML, ESRI GIS, OBIEE, Git, Adobe Illustrator/XD, UI/UX Design, Excel
CURRENT MEMBERSHIPS: Design for America UW (Current Finance Officer), Society of Women Engineers, Applied Analytics, National Center for Women in Technology (2017 Honorable Mention Award)