

Alexandra Kim

Contact Information

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Education

- M.Sc. in Computer Science** **Jan 2017 – May 2019**
University of British Columbia, Vancouver, BC, Canada
– Thesis: Hierarchical Summaries of Change in Multidimensional Data
- B.Sc. in Computer Science, with Honours** **Aug 2012 – Jun 2016**
Nazarbayev University, Astana, Kazakhstan
– Thesis: Real-time Automatic Transcription of Guitar Audio

Professional Experience

- Graduate Research and Teaching Assistant** **Jan 2017 – Apr 2019**
University of British Columbia, Vancouver, BC, Canada
– Research assistant at the Data Management & Mining lab. Studied hierarchical data summaries and published a research paper on the topic.
– Teaching assistant for the (Software Engineering) CPSC210, CPSC221 and CPSC319 courses. Taught labs and office hours, led discussions, guided students through a software development life cycle.
- Summer Camp Instructor** **May 2017 – Jul 2017**
University of British Columbia, Vancouver, BC, Canada **May 2018 – Jul 2018**
– Designed an introductory web programming course.
– Taught computer programming fundamentals (HTML, CSS and JavaScript/Python) in a Physics and Computer Science Camp to grade 8-10 students.
- Android Development Intern** **Aug 2016 – Dec 2016**
KarFarm Inc., Redwood City, CA, United States
– Single-handedly developed an [Android application](#) targeted for KarFarm salespeople.
– The application included multiple key components, such as authentication and messaging.
- Junior Research Assistant** **Mar 2015 – May 2015**
Advanced Digital Sciences Center, Singapore
– Examined gender differences in facial emotion perception via recognition rates and eye-movement characteristics.
– Performed the experiment, developed the experimental protocol and interfaces for EEG and eye tracking devices in Matlab.

Skills

Java, Android, Python, Matlab, Git, REST, SQL, HTML, CSS, PyTorch, Jupyter, Linux.
Analytical skills, research, data visualization, machine learning.

Publications

- Summarizing Hierarchical Multidimensional Data.* Alexandra Kim, Laks V.S. Lakshmanan and Divesh Srivastava. To be published at ICDE 2020.
- Comparing Aggregators for Relational Probabilistic Models.* Seyed Mehran Kazemi, Bahare Fatemi, Alexandra Kim, Zilun Peng, Moumita Roy Tora, Xing Zeng, Matthew Dirks and David Poole. UAI Workshop on Statistical Relational AI, 2017.
- Reasoning and Algorithm Selection Augmented Symbolic Segmentation.* Martin Lukac, Kamila Abdiyeva, Alexandra Kim and Michitaka Kameyama. Intelligent Systems Conference, 2017.

Languages

Russian	Native
English	Fluent (TOEFL iBT: 114)
Kazakh	Intermediate
Korean	Pre-intermediate (TOPIK: 2)