Jung-Han Han

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HIGHLIGHTS OF QUALIFICATIONS

- Experience in research – Ph.D. in Computer Science
- Experience in web development – Completed web development courses at Camosun College
- Legally entitled to work in Canada

EDUCATION

Diploma, Information and Computer Systems   **Sep 2020 – Present**

Camosun College, Victoria, BC, Canada

- Achievements
  - GPA 8.9/9, Dean's List for 4 terms
  - Computer Science International Student Award
    - International student with the highest academic standing
- Relevant Courses
  - Web Fundamentals, Web Scripting, Web Applications, Web Services, Database Concepts, Database Systems Management, Algorithms and Data Structure, Algorithms and Programming

Ph.D, Computer Science   **Mar 2012 – Feb 2020**

Yonsei University, Seoul, Korea

- Publications
  - Journals
    - J. Han and S. Han. "Hidden terminal-aware access point selection for IEEE 802.11ah networks" Computer Communications 173 2021: 1-13.
    - J. Han and S. Han, "Non-Intrusive Estimation of Available Throughput for IEEE 802.11 Link" Computer Networks 2018
    - J. Han, H. Choi, and S. Han, "Acknowledgement Corruption: A New Aspect of Physical Layer Capture in IEEE 802.11 Networks", Wireless Communications and Mobile Computing, vol 2018, 15 pages, 2018.
  - Conference papers
    - J. Han and S. Han, "Nonintrusive Estimation of Expected Throughput for IEEE 802.11 Devices", IEEE CCNC, Jan. 2014

PROJECTS

Forest cover map Segmentation tool   **May 2022 – July 2022**

Capstone project, Camosun College

- A software tool that extracts data as ESRI Shapefile, which is an analysis-ready vector data format used by GIS applications, from historical, scanned, forest cover maps (i.e., raster images)
- Used technologies
  - Python – Manipulating geometric vector objects
  - Deep Learning – Keras-OCR for detecting and recognizing labels on the maps
  - GeoPandas – Formatting vector files (i.e., ESRI Shapefile)

SKILLS

- Web front-end development – HTML5, CSS, JavaScript (ES6+), React.js
- Web back-end development – Oracle Database, RESTful API, Node.js, Express.js, MongoDB
- Other – Next.js, Django
- Cloud computing – AWS from developers' perspective