

# 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

## 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, Special Topics in Computing, Applied Computing Project, Network 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, 2021
    - 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, 2018
  - Conference papers
    - J. Han and S. Han, "Nonintrusive Estimation of Expected Throughput for IEEE 802.11 Devices", IEEE CCNC, 2014

## EXPERIENCE

### Research Assistant

Mar 2012 – Feb 2020

Mobile Networking Laboratory, Yonsei University, Seoul, Korea

- Industry-university collaborative projects with Samsung Research
  - Heterogeneous link management for IoT and wearable devices
    - Tested link switching algorithm between Wifi and Bluetooth or 802.15.4
  - Traffic scheduling for multi-hop network performance
    - Evaluated traffic scheduling algorithm running on TelosB wireless sensor modules
  - Home IoT device localization and auto-configuration
    - Implemented WiFi AP selection algorithm for network topology optimization

## SKILLS

- Web front-end development – JavaScript (ES6+), React.js, Next.js
- Web back-end development – RESTful API, Node.js, Express.js, MongoDB, Oracle Database
- Cloud computing – AWS EC2, Lambda, RDS, DynamoDB, API Gateway, S3, Serverless architecture
- Programming language experience – C, C++, JavaScript, Python, C#, PHP, Java, Swift
- Linux experience – Experienced modifying a Linux wireless kernel driver