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
        - Implemented seamless link switching algorithm between Wifi and 802.15.4
    - Traffic scheduling for multi-hop network performance
        - Implemented 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