

Wong Ka Chung, Martin

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EDUCATION

City University of Hong Kong (Year 3) 2017.08 - 2021.07

Bachelor of Engineering in Information Engineering Hong Kong

- GPA: 3.83 / 4.3 (Major GPA: 4.0 / 4.3)
- Honors/Awards: CENG Mentor Service Award (18/19), Dean's List (Sem A 17/18, 18/19)
- Scholarships: Universal P.C.B. Equipment Co., Ltd. Scholarships (18/19), Reaching Out Award (17/18)
- Relevant Coursework: Security Technology, Digital Forensics, Java Programming & Applications, Operating Systems

National Cheng Kung University (Summer Exchange) 2018.07 - 2018.08

Electrical Engineering and Computer Science Summer Program Taiwan

- Relevant Coursework: Java Programming (Project: github.com/kcwong395/Mahjong-Bingo)

WORK EXPERIENCE

Department of Electrical Engineering, CityU (Part Time) 2019.10 - Present

Research Assistant, supervised by Dr. Alan K.H. Yeung

- Developed a Steganography tool in C# that embedded messages into images (github.com/kcwong395/HideNSeek)
- Investigated various file systems and developed an reversible approach to encrypt the data of an USB

Institute of Software, Chinese Academy of Sciences (Internship) 2019.06 - 2019.07

Intern, supervised by Dr. Libo Zhang, Intelligent Software Research Center Peking

- Performed data collection, labeling, data-preprocessing and gathered a total of 5k images with proper labeling
- Designed a deep hand pose detection model with 98.6% validation accuracy using Python and Keras Framework
- Extended the developed model to a web-based application (hemanlmf.github.io/research/pphp/index.html)

COMPETITIONS AND CERTIFICATIONS

Finalist, CTF Open 2019 Student Category, HK CTF Association 2019.10 - 2019.10

Member of GRAD501, in charge of Forensics and Miscellaneous Topics

IELTS (Overall: 6.5) 2018.12 - 2018.12

Listening: 6.0, Reading: 7.5, Writing: 6.0, Speaking: 6.5

LEADERSHIP AND SERVICES

Organizer, EE Cyber Security Interest Group 2019.07 - Present

- Organized EE Cyber Security Interest Group weekly meetings and prepared teaching materials and handouts. Topic includes Modern Cryptography, Hashing, Network Forensics (github.com/kcwong395/CyberSecMaterial)

Campus Services, Tutor of Peer-Assisted Learning Scheme 2018.09 - 2019.04

- Organized a study group with a size of 8 junior students and maintained around 60% participation rate

Community Services, Volunteer of City-Youth Empowerment Project 2018.01 - 2018.04

- Took part in a semester-long voluntary scheme and offered extra tutorial classes for the students with multiple disabilities in Hong Kong Red Cross Princess Alexandra School

SKILLS AND QUALIFICATIONS

- **Programming Skills:** Java, C++ (Proficient), Python, C#, Regex (Intermediate)
- **Web Development:** HTML5, CSS3, Javascript (ES6, JQuery), Bootstrap Framework (Intermediate)
- **Forensics:** Packet Analysis (Wireshark), Data Carving (Autopsy), File Structure Analysis (ExifRead, Winhex, HxD)
- **Communication Skill:** Mentor (~20 freshmen), IE Class Representative, MC in EE Jupas talk (~50 DSE students)
- **Languages:** English (IELTS: 6.5), Cantonese (Native), Mandarin (Fluent)