

# Ruochen (Charley) Li

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## EDUCATION

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- Carnegie Mellon University (CMU), Entertainment Technology Center (ETC), Pittsburgh, PA** *May 2020*
- Master of Entertainment Technology (MET)
- The Hong Kong University of Science and Technology (HKUST), Hong Kong** *Aug. 2018*
- Bachelor of Engineering in Computer Science (COMP)
  - Related Courses: *Software Engineering, Computer Graphics, Knowledge Discovery in Databases, Introduction to Bayesian Network, Internet Computing, Introduction to Cloud Computing*

## PROFESSIONAL SKILLS

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- **Programming:** C++, JavaScript, PHP, Python, MATLAB, C#
- **Language:** Chinese (native) & English (fluent)
- **Software:** Unity
- **Platform:** HTC Vive, Meta 2, Oculus, Leap Motion, Phidgets

## EXPERIENCE

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- Shenyang Institute of Automation, Chinese Academy of Sciences** *Dec. 2017 – Jan. 2018*
- Participated in Cloud Computing team with full-time engineers
  - Implemented programs on Spark using Python
- Hong Kong and Shanghai Banking Corporation** *June 2016 – Feb. 2017*
- Industrial Placement Trainee in SCCM Team, HSBC Asia Pacific, with 5 senior engineers
  - Implemented scripts on maintaining server and ATM files
  - Learned project management and Agile programming skills

## ACADEMIC PROJECT

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- Building Virtual Worlds | ETC | Programmer | C#** *Sept. 2018 – Dec. 2018*
- Created 5 immersive worlds on different interdisciplinary teams of 5 in two-week cycles
  - Utilized Unity as well as platforms such as Meta 2, HTC Vive
  - Developed communication, collaboration and iteration skills
- Final Year Project | HKUST | Project Manager, Programmer | Python, Javascript** *June 2017 – May 2018*  
Supervisor: **Dr. Dik LEE** (Professor of Computer Science Engineering Department, HKUST)
- One-year long project with a team of three
  - Implemented a Recurrent Neural Network predicting future hot topics and created a web system using visualization tools such as D3.js
- Undergraduate Research Program | HKUST | Programmer | Python** *June 2017 – Aug. 2017*  
Supervisor: **Dr. Pan HUI** (Associate Professor of Computer Science Engineering Department, HKUST)
- Implemented a mood prediction algorithm with body gesture with undergraduate students and PhD candidate
  - Enhanced Python programming skill with Tensorflow
- Independent Study | HKUST | Programmer | Python, C++** *Feb. 2015 – May 2015*  
Supervisor: **Dr. Gary CHAN** (Professor of Computer Science Engineering Department, HKUST)
- Worked in team with professors and PhD candidates on indoor localization
  - Practiced data processing and software integration techniques