

# SUN Xuhua

**Apply for:** CA in Introduction to Algorithms (EN601.633/433)

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**Location:** Shanghai, China (GMT+8)

## EDUCATION

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|-------------------------------|--|
| 2020.09-2022.05<br>(Expected) | <b>Johns Hopkins University</b> (Whiting School of Engineering)<br><br>Major: Master of Science in Security Informatics (MSSI)     |
| 2016.09-2020.08               | <b>Shanghai Jiao Tong University</b> (UM-SJTU Joint Institute)<br><br>Major: Bachelor in Electrical and Computer Engineering (ECE) |
| 2019.09-2019.12               | (Exchange) <b>The University of Hong Kong</b> (Faculty of Engineering)   |

## RECENT EXPERIENCE

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|-----------------|--|
| 2020.05-2020.08 | <b>Shanghai Jiao Tong University</b><br><b>Feature Point Detection for Camera Calibration, Capstone Design</b> <ul style="list-style-type: none"><li>• Conduct Image Preprocessing</li><li>• Conduct Pixel Level Detection (Based on C++)</li><li>• Conduct Sub-pixel Refinement</li></ul> |
| 2019.09-2019.12 | <b>The University of Hong Kong</b><br><b>Software Engineering Project</b> <ul style="list-style-type: none"><li>• Developing Back-end Database for Scrum use (Based on Django)</li><li>• Developing Front-end Web pages for different kinds of users</li></ul>                             |
| 2019.04-2019.06 | <b>Shanghai Jiao Tong University</b><br><b>Voiceprint Recognition, PRP program</b> <ul style="list-style-type: none"><li>• Using Gaussian Mixed Model to match voices with people (Based on Matlab)</li><li>• Using Mel-Frequency Cepstrum Coefficients to analyze voice</li></ul>         |

## Skills

### Language:

- English (TOEFL 100/120)
- Chinese (Native)

### Computer Related Skills:

- Programming (C++, Python)
- MySQL, Matlab, Vivado, Arduino, PSpice

## Awards

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|---------|--|
| 2019.11 | <b>2018 ~ 2019 Undergraduate Excellent Scholarship</b><br>(awarded by Shanghai Jiao Tong University)           |
| 2019.09 | <b>Fung Scholarship</b><br>(awarded by the Victor and William Fung Foundation and the University of Hong Kong) |