

Kaiyuan Chen

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EDUCATION

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| University of California, Los Angeles | Los Angeles, CA |
| • <i>Bachelor of Engineering in Computer Science</i> | <i>July 2016 – Present</i> |
| GPA: 3.954/4.0 | |
| Qingdao Number Two Middle School | Qingdao, China |
| • <i>GPA: 4.0/4.0</i> | <i>July 2012 – June 2016</i> |

EXPERIENCE

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| BoTech | Qingdao, China |
| • <i>Software Engineer Intern</i> | <i>Nov 2017 - Present</i> |
| <ul style="list-style-type: none">◦ Site Enforcement Recorder Management: Built software for local workstations to manage all police site enforcement recorders of the whole city.<ul style="list-style-type: none">* SDK checking tool: As different police site enforcement recorders have different SDKs, I wrote python scripts to check if their interfaces are valid and recorders are functioning.* Data Collection: Designed and implemented a unified interface to initialize, setup, backup, modify all site enforcement recorders. Workstations were designed to plug in one hundred recorders.* Coordination with centralized database: Sending and responding requests by http/ftp with centralized storage servers.◦ Technologies Used: Python, Windows Programming, Port Multiplexing, MySQL, QT in C++ | |
| Siemens Ltd | Shanghai, China |
| • <i>Research Assistant Intern</i> | <i>May 2017 - Sept 2017</i> |
| <ul style="list-style-type: none">◦ Novelty detection: Did research and wrote paper on novelty detection on time-series data. As high-dimensional time-series data usually comes with long training time and difficulty in real-time implementations, we built a dynamic Bayesian machine by Expectation-Maximization algorithm.◦ Time-series Correlation and Clustering: Did research and wrote paper on correlation between different dimensions of time-series and associated p-value. Used agglomerating tree to cluster time-series data.◦ Paper Review: Wrote Paper reviews for other researchers in research group, which later helped organizing the paper that we wrote. I keep doing paper reviews even after I left Siemens, which are all on http://kychen.xyz/◦ Technologies Used: Python, Numpy, Pandas, Tensorflow, Matlab, Jupyter-notebook, Latex | |

PROJECTS

- **LSTMxWave:**
- **Class-UCLA:**
- **All-in or Not:**
- **Flappy bird in 3D:**

EXPERIENCE

- **LSTMxWave** *Winter 2017*
 - : Built software for local workstations to manage all police site enforcement recorders of the whole city.