

JIAQI XIE

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EDUCATION

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| The University of Tokyo , Tokyo <i>Master of Engineering in Urban Engineering</i> | Apr 2016 - Mar 2018 |
| Tsinghua University , Beijing <i>Bachelor of Engineering in Water Supply and Wastewater Engineering</i> | Aug 2011 - Jun 2015 |

SKILLS AND LANGUAGES

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| Programming: Python, Java, Shell, SQL, R, HTML, CSS | Development Tools: Git, Docker |
| Framework: Flask, NumPy, Pandas, Beautiful Soup, urllib | Database: MySQL, PostgreSQL |
| Techniques: REST API, Linux, JSON, SQLAlchemy, Cloud, AWS, Web Crawler | |
| Languages: English (fluent), Japanese (fluent), Mandarin (native) | |

PROJECTS

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| Quotation Checker Desktop App <i>Business Operation Process Automation Project at Panasonic</i> <ul style="list-style-type: none">Built an auto quotation checking desktop app with Python for checking if a quotation of printed circuit board being at a reasonable priceDesigned and developed user interface with Tkinter, the backend architecture, price checking mechanism and database of the system (SQLite), and completed the unit testing with PyUnit to ensure system robustnessProcessed 70 ~ 100 quotations monthly, which saved 17 hours/month and improved the accuracy of unreasonable quotation identification to 99% | Dec 2020 - Jan 2021 |
| Scheme Interpreter <i>CS61 (The Structure and Interpretation of Computer Programs) Course Project</i> <ul style="list-style-type: none">Built Scheme interpreter in PythonSupported most scheme expressions and runs with tail recursion optimization | Aug 2020 - Oct 2021 |

COURSES

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| Introduction to Computer Science <i>Udacity</i> | Apr 2020 - Jun 2020 |
| CS61A: The Structure and Interpretation of Computer Programs <i>University of California, Berkeley</i> | Jun 2020 - Oct 2020 |
| CS61B: Data Structures <i>University of California, Berkeley</i> | Oct 2020 - Present |

WORK EXPERIENCE

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| Procurement and Supply Chain Specialist <i>Panasonic Corporation, Yokohama in Japan</i> Duties: <ul style="list-style-type: none">Driving cost reduction efforts for supply chain AOP to meet annual operations targetsDeveloping long-term procurement strategy for printed circuit board for automotive industry based on QCDS and BCP (Business Continuity Plan), collaborating with QA, TECH teams Key Contributions & Accomplishments: <ul style="list-style-type: none">Achieved 9% cost reduction (2.8 MUSD / 30 MUSD in 2019) by value engineering methodologies and procurement allocation, collaborating with QA, TECH and PM teamsImplemented PO-tracking tools to avoid missing orders based on Excel VBA that were used by the overseas procurement team; which saved 5 hours/week and prevented 2 possible serious delivery problems during the tool's 3 months service period | Apr 2018 - Present |
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