

# JIAQI XIE

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## EDUCATION

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

## SKILLS AND LANGUAGES

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

## PROJECTS

<b>Quotation Checker Desktop App</b> <i>Business Operation Process Automation Project at Panasonic</i> <ul style="list-style-type: none"><li>Built an auto quotation checking desktop app with Python for checking if a quotation of printed circuit board being at a reasonable price</li><li>Designed 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 robustness</li><li>Processed 70 ~ 100 quotations monthly, which saved 17 <b>hours/month</b> and improved the accuracy of unreasonable quotation identification to <b>99%</b></li></ul>	<b>Dec 2020 - Jan 2021</b>
<b>Scheme Interpreter</b> <i>CS61 (The Structure and Interpretation of Computer Programs) Course Project</i> <ul style="list-style-type: none"><li>Built Scheme interpreter in Python</li><li>Supported most scheme expressions and runs with tail recursion optimization</li></ul>	<b>Aug 2020 - Oct 2021</b>

## COURSES

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

## WORK EXPERIENCE

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