

JIAQI XIE

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EDUCATION

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

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

PROJECTS

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 with 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
Printed Circuit Board Price Simulator <i>Business Operation Improvement Project at Panasonic</i> <ul style="list-style-type: none">Built a price simulation desktop app in Python for simulating price among various design specifications, which contributed to the cost optimization during the design phaseDesigned the schema of database and managed the data with SQLite using Fluent APIImplemented the backend architecture, price simulation mechanism, and designed the user interface with PyQtAchieved 7%~15% cost reduction during the design phase and decreased the quotation times from (3~5) to (1~2) for each component, which saved 2~3 weeks for waiting for the quotations	Sep. 2020 – Oct. 2020

COURSES

Introduction to Computer Science | Full Stack Websites with Python Web Development (*Udacity*)
CS61A| CS61B (*University of California, Berkeley*)

WORK EXPERIENCE

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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