

JIAQI XIE

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EDUCATION

The University of Tokyo, Tokyo

Apr 2016 - Mar 2018

Master of Engineering in Urban Engineering

Tsinghua University, Beijing

Aug 2011 - Jun 2015

Bachelor of Engineering in Water Supply and Wastewater Engineering

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

Dec 2020 - Jan 2021

Business Operation Process Automation Project at Panasonic

- Built an auto quotation checking desktop app with Python for checking if a quotation of printed circuit board being at a reasonable price
- Designed 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 robustness
- Processed 70 ~ 100 quotations monthly, which saved **17 hours/month** and improved the accuracy of unreasonable quotation identification to **99%**

Printed Circuit Board Price Simulator

Aug 2020 - Oct 2021

Business Operation Improvement Project at Panasonic

- Built a price simulation desktop app in Python for simulating price among various design specifications, which contributed to the cost optimization during the design phase
- Designed the schema of database and managed the data with SQLite using Fluent API
- Implemented the backend architecture, price simulation mechanism, and designed the user interface with PyQt
- Achieved **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

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

Apr 2018 - Present

Panasonic Corporation, Yokohama in Japan

Duties:

- Driving cost reduction efforts for supply chain AOP to meet annual operations targets
- 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

Key Contributions & Accomplishments:

- Achieved **9% cost reduction (2.8 MUSD / 30 MUSD in 2019)** by value engineering methodologies and procurement allocation, collaborating with QA, TECH and PM teams
- Implemented 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