

# JOHNNY JIANG

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## EXPERIENCE

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### An Kang Adult Day Care

June 2022 - Present

Software Engineer

New York, NY

- Achieved 90% efficiency gains in insurance claim submissions for 500 patients biweekly by employing Python Selenium and Pandas for patient data mapping, saving the billing department 85 hours per cycle
- Reduced the administration team's workload by 45 hours every month by utilizing Python Xlwings to automate the creation and printing of 500 individualized Excel timesheets
- Implemented self-service food ordering for 200 clients, saving the kitchen staff 30 minutes daily by developing a Bootstrap website that utilizes Google Sheets API and Node.js
- Reduced tour availability inquiries by 10% with Apps Script triggered by Google Form submissions that cross-reference reservation dates in Sheets and send an automated reply through Twilio SMS

### Siemens

May 2021 - August 2021

Software Engineer Intern

Cincinnati, OH

- Retrieved regional population density data of 300k via Socrata API, pre-processed with Pandas, and applied k-means clustering to identify mobile vaccination clinic locations
- Integrated OpenAI API to generate training data of block descriptions containing up to 3 features per sentence
- Leveraged Anaconda's debugger and virtual environment to resolve 2 legacy codebases with outdated libraries

## PROJECTS

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### World of Warcraft Loot Manager | Python, Pandas, GraphQL, Requests

<https://github.com/johnnyj2608/LootCouncil>

- Created a Python automation for a data-driven reward system, resulting in 30-minute weekly time savings
- Designed an algorithm to analyze 1,500 records and generate 100 person-to-reward pairs in 35 seconds
- Retrieved evaluation data with GraphQL to query Warcraft Logs API and Pandas to parse online CSV files

### Lunar Birthday Reminder | SwiftUI, Core Data, Kingfisher, CocoaPods

<https://github.com/johnnyj2608/LunarBirthdays>

- Developed and published a SwiftUI app that creates recurring notifications for Lunar-based birthdays
- Integrated Google OAuth 2.0 for Google Calendar API authorization, creating 4 events per second
- Deployed Core Data to enable users to create profiles with 5 attributes with Kingfisher for image caching

## SKILLS

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**Languages:** Proficient in Python, Swift, and Java. Familiar with SQL, HTML/CSS, Javascript, and C

**Frameworks and Libraries:** Django, React, Node.js, Express, Selenium, Pandas, Xlwings, Tkinter, Bootstrap

**Technologies and Tools:** Git, PostgreSQL, MySQL, Docker, Google Cloud Platform

## EDUCATION

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### The Pennsylvania State University

2018 - 2022

Bachelor of Science in Computer Science

State College, PA