JOHNNY JIANG

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EXPERIENCE

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 patients and saved the kitchen staff 30 minutes each day by developing a Bootstrap website with GET and POST methods to Google Sheets
- 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- Leveraged Anadonda's debugger and virtual environment to resolve 2 legacy codebases with outdated libraries

PROJECTS

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

Languages: Proficient in Python, Swift, and Java. Familiar with SQL, HTML/CSS, Javascript, and C
Frameworks and Libraries: Selenium, Pandas, Xlwings, Tkinter, Django, React, Bootstrap, Firebase
Technologies and Tools: Git, PostgreSQL, MySQL, Docker, Google Cloud Platform

EDUCATION

The Pennsylvania State University   **2018 - 2022**
Bachelor of Science in Computer Science   *State College, PA*