

# JOHNNY JIANG

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## EXPERIENCE

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### An Kang Adult Day Care

June 2022 - Present

Software Engineer

New York, NY

- Saved 45 hours monthly by building a Python script to automate the creation of unique timesheets in Excel
- Developed a SwiftUI app with Firebase to facilitate real-time communication between staff and 500+ members
- Created a responsive Bootstrap website to showcase services offered, attracting 1,600 visitors per month
- Automated online inquiries regarding on-site tour availability using Twilio API and Google Apps Script

### Siemens

May 2021 - August 2021

Software Engineer Intern

Cincinnati, OH

- Applied k-means clustering on population density data of 300k to locate optimal stops for a mobile health clinic
- Leveraged Anaconda's debugger and virtual environment to resolve 2 legacy codebases with outdated libraries
- Employed OpenAI API to generate training data of block descriptions containing up to 3 features per sentence

## EDUCATION

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### The Pennsylvania State University

August 2018 - May 2022

Bachelor of Science in Computer Science, GPA: 3.6/4.0

State College, PA

- 1st Place in the JPMorgan Sponsored Challenge at the Penn State Hackathon 2019
- Technical Lead, Developer Student Club: Led a team of 5 in organizing biweekly workshops for 30 members
- Head Mentor, Engineering Orientation Network: Provided mentorship to 8 first-year students per semester

## PROJECTS

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### Lunar Birthday Reminder | SwiftUI, Core Data, WidgetKit, CocoaPods, Git

- Developed and deployed a SwiftUI app converting Lunar-based birthdays to Gregorian on the App Store
- Utilized Core Data to enable users to create profiles with 5 attributes, displaying countdowns to birthdays
- Integrated Google OAuth 2.0 for Google Calendar API authorization, creating 4 events per second
- Link to project here: <https://github.com/johnnyj2608/LunarBirthdays>

### Restaurant Point of Sale System | Java, Swing, PostgreSQL, MiGLayout

- Developed a Java Swing GUI for self-service ordering, increasing host availability for client assistance
- Implemented PostgreSQL as the back end, handling over 6,000 unique combinations for menu item queries
- Link to project here: <https://github.com/johnnyj2608/RestaurantPOS>

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

- Created a Python script to construct reward assignments, resulting in 30-minute weekly time savings
- Utilized web scraping and GraphQL to extract online data, processing it into 350 nested key-value pairs
- Link to project here: <https://github.com/johnnyj2608/LootCouncil>

## SKILLS

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**Programming Languages:** Python, Java, SwiftUI, SQL, HTML/CSS, Javascript, C

**Frameworks and Libraries:** Bootstrap, Django, React, TensorFlow, Firebase, Swing

**Technologies and Tools:** PostgreSQL, MySQL, Git, Docker, GraphQL